METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS

1ST JULY TO 31ST DECEMBER, 1898.

DAILY WEATHER REPORT.

July to December 1898.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 1st September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.63	62	Z	0	b	29.61	-.10	54	53	-1	ESE	2	r	5	b	*	59	50	-
	Hernösand ...	29.46	54	Z	0	r	29.52	-.04	48	44	-3	NNW	6	r	*	r	*	57	48	0.16
	Stockholm ...	29.30	59	SE	2	r	29.43	-.09	50	48	-9	NNW	8	o	*	r	*	61	50	0.28
	Wisby	29.38	57	SSW	8	o	29.43	-.19	54	53	-5	NNW	10	r	*	o	*	59	52	0.39
	Karlstad ...	29.33	53	NE	6	r	29.70	+.26	49	43	-6	NW	8	b	*	r	*	*	*	0.83
	Bodö	29.62	49	NSW	6	r	29.75	+.39	46	45	-10	W	2	o	1	r	*	57	45	0.04
	Christiansund ...	29.82	48	NNW	4	o	29.88	+.38	49	45	+1	SSW	2	c	3	o	*	50	46	0.16
	Skudesnaes ...	29.83	51	NNW	10	c	30.04	+.66	50	47	-2	NNW	2	c	2	c	*	54	46	*
	Færder (Christiania Fjord)	29.45	53	N	8	r	29.84	+.47	51	44	-4	NW	4	b	3	r	*	55	50	1.42
	Skagen (The Scaw)	29.50	55	N	8	o	29.88	+.60	55	51	-2	N	3	b	1	o	*	61	52	0.39
	Fanö	29.83	55	NNW	5	c	30.06	+.72	55	49	-4	NNW	7	c	*	c	*	59	54	-
BRITISH ISLANDS.	Sumburgh Head	29.94	50	W	2	bc	29.93	+.30	53	53	+5	NSW	4	c	4	bc, c	*	54	45	0.03
	Stornoway ...	30.06	53	NW	4	o	30.05	+.14	55	52	+6	W	4	c	4	c, o	3.3	55	47	0.03
	Wick	30.03	53	N	4	c	30.05	+.18	57	55	+9	NW	5	c	2	c	*	58	46	0.03
	Nairn	30.09	55	W	2	bc	30.10	+.18	57	52	+7	NNW	3	bc	2	bc	*	60	49	-
	Aberdeen ...	30.10	56	W	5	c	30.15	+.31	58	51	+9	SW	2	bc	1	g bc, c	9.1	59	45	-
	Leith	30.13	57	W	3	o	30.22	+.29	55	51	0	NSW	2	bc	*	o	*	66	48	-
	Shields	30.16	55	Z	0	c	30.26	+.40	52	50	0	SW	2	c	2	c	*	59	47	-
	Spurn Head ...	30.17	55	NNE	3	b	30.29	+.39	57	53	+1	W	3	c	3	b	*	60	50	-
	York	30.17	60	W	2	bc	30.30	+.37	55	52	0	SW	2	c	*	c, bc	2.6	63	48	-
	Loughborough ...	30.22	59	NNW	2	b	30.34	+.34	55	52	0	W	1	cmw	*	bc g, h o	*	65	48	-
	Ardrossan ...	30.18	56	W	4	o	30.24	+.24	55	53	+1	NSW	4	c	3	c, o	*	62	52	0.03
	Malin Head ...	30.17	55	W	4	c	30.22	+.20	54	52	0	NSW	4	cpm	2	c	*	58	52	0.05
	Belmullet ...	30.27	57	W	3	b	30.28	+.03	57	53	+1	W	2	o	*	bc, b	*	60	53	0.01
	Donaghadee ...	30.24	58	NNW	4	c	30.29	+.24	54	53	0	W	3	c	1	c	*	63	50	0.01
	Liverpool (Bidston)	30.23	56	W	4	c	30.32	+.30	57	52	+1	NSW	2	c	3	c	*	59	52	0.02
	Holyhead ...	30.26	56	W	1	bc	30.33	+.25	57	53	+1	W	1	c	1	c, bc	*	62	51	-
	Parsonstown ...	30.28	59	NW	1	b	30.33	+.16	54	52	-1	Z	0	o	*	b	8.6	64	52	-
	Valencia ...	30.33	59	NNW	1	c	30.33	+.10	58	51	0	SSE	2	o	3	bv, c	10.4	64	51	-
	Roche's Point ..	30.31	60	WNW	3	bc	30.36	+.14	55	52	-1	NW	1	bc	2	bc	*	63	50	-
	Pembroke (St. Ann's Hd.)	30.29	58	NW	4	b	30.36	+.23	59	57	+3	NW	3	c	3	b	11.8	60	55	-
	Scilly	30.34	60	N	3	bc	30.36	+.20	60	55	0	E	1	bcw	2	c, bc	11.0	67	53	-
	Prawle Point ...	30.29	59	NNW	2	bc	30.38	+.24	61	55	-1	NE	3	b	1	bc	*	71	48	-
	Jersey (St. Aubin's)	30.26	56	NW	3	b	30.35	+.21	64	58	+4	ENE	3	cm	3	c, b	*	65	55	-
	Hurst Castle ...	30.23	64	NNW	1	bc	30.39	+.30	57	54	-4	NE	1	bcm	1	c, bc	*	69	48	-
	Dungeness ...	30.17	64	NW	2	c	30.34	+.33	56	51	-7	NNW	2	bc	1	c	*	67	44	-
	North Foreland	30.18	63	WNW	3	bc	30.35	+.36	58	53	-2	NW	3	b	2	b, bc	*	67	50	-
	London (Brixton) ...	30.22	62	NW	2	b	30.37	+.33	52	50	-7	W	2	c	*	bc	8.7	69	43	-
	Oxford	30.29	53	N	1	b	30.38	+.33	52	50	-6	SW	1	o	*	b	*	66	46	-
	Cambridge ...	30.21	60	NW	3	b	30.37	+.37	52	51	-6	NW	1	ow	*	g, b	11.4	68	42	-
	Yarmouth ...	30.17	58	NW	3	b	30.31	+.38	55	52	-3	NNW	3	b	3	b	*	63	46	-
GERMANY & HOLLAND.	Cuxhaven ...	29.89	58	WNW	8	c	30.15	+.57	55	50	-7	WNW	6	o	*	c	*	62	54	-
	Berlin	29.91	58	WNW	6	c	30.10	+.21	55	50	-5	NNW	6	r	*	c	*	68	50	0.04
	Wiesbaden ...	*	*	*	*	*	30.34	+.35	52	46	-11	N	2	bc	*	*	*	68	45	0.04
	Munich... ..	30.17	58	W	3	r	30.34	+.18	52	49	-11	E	1	b	*	r	*	73	50	0.24
	The Helder ...	30.12	58	NW	4	c	30.26	+.47	59	53	0	W	3	o	2	c	*	61	55	-
BELGIUM.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez...	?	62	N	1	c	?	?	56	53	-4	SW	1	o	1	c	*	68	52	-
	Paris	30.19	63	NNW	2	b	30.35	+.27	55	54	-9	NNE	1	m	*	b	*	66	51	0.20
	Brest	30.27	62	N	3	b	30.34	+.21	54	53	-4	NE	2	b	1	b	*	66	48	-
	Lorient... ...	30.26	63	N	4	c	30.34	+.16	54	53	-12	NNE	2	b	2	c	*	?	54	-
FRANCE &	Rochefort ...	30.21	67	NW	3	o	30.25	+.09	59	57	-9	ENE	4	bc	*	b, o	*	79	55	-
	Belfort	30.13	58	NSW	6	r	30.28	+.16	?	?	?	S	?	?	*	r	*	75	50	0.32
	Lyons	30.14	?	NNE	1	b	30.25	+.06	57	54	-6	NNW	3	bc	*	b	*	79	56	-
	Nice	30.04	70	NNW	1	b	29.96	-.10	66	64	-5	E	2	c	1	b	*	81	63	-
	Perpignan ...	30.10	80	W	4	b	30.13	-.03	69	64	-4	NW	3	b	*	b	*	88	66	-
	Biarritz ...	30.20	72	NE	2	c	30.19	.00	66	64	+1	ESE	3	o	2	c	*	75	64	-
PENIN-SULA.	Corunna ...																*			
	Lisbon	30.03	84	NNE	2	b	30.02	-.04	80	66	0	NE	2	b	*	b	*	90	77	-
	Azores (P. Delgada)	30.14	71	NE	2	c	30.07	-.11	72	68	0	Z	0	c	2	c	*	79	68	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport. 6.7 *hrs;*

WEATHER CHARTS

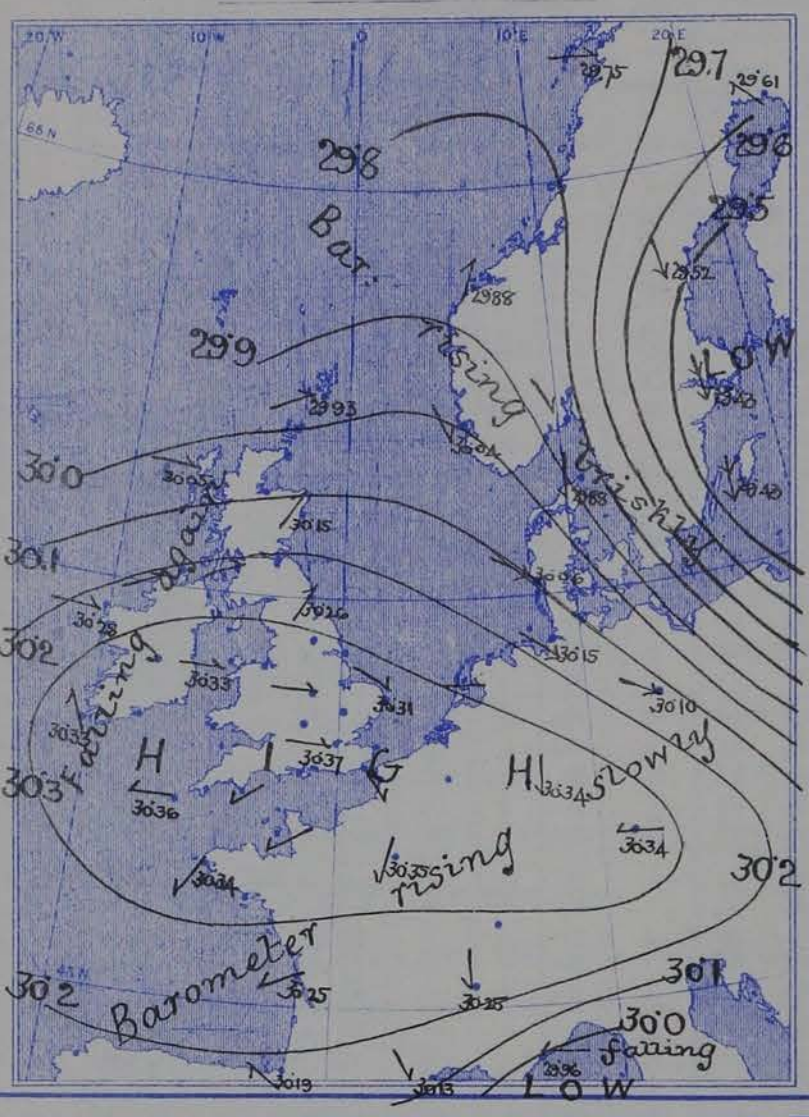
FOR Thursday, 1st September, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; } Calm ⊙

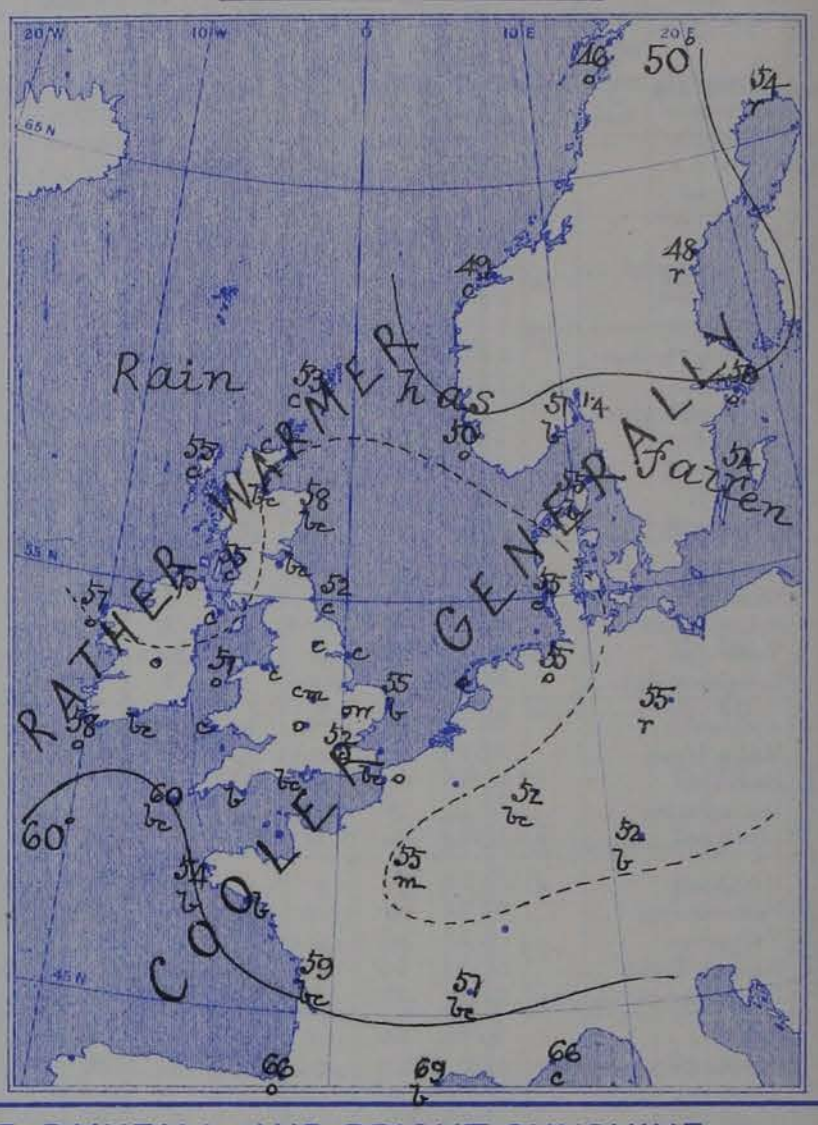
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.*



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more to 30·2 in: in an anticyclone covering Ireland, England, France, and the Bay of Biscay.
Lowest, Below 29·5 in: over the Baltic, and below 30·0 in: off the north of Scotland.
Gradients steep over Sweden and the Baltic, slight over our Islands.
Barometer has begun to fall again off our W. coasts, but is rising quickly over the North Sea.

TEMPERATURE

Highest, 66° to 69° in the south of France, and above 60° on our southwest coasts, 59° at Pembroke, 57° at Holyhead.
Lowest, 46° to 50° at the Norwegian stations, 53° at Lerwick, 54° in the north of Ireland, 55° at Berlin and Paris.
The maxima recorded yesterday ranged from 65° to 69° over the greater part of Ireland and England, and touched 71° at Prawle Point, but did not exceed 66° at Paris, nor 68° at Berlin.

WIND

Light and anticyclonic over Ireland, England and France generally; W. and moderate in the north of Scotland; NW. and strong to the eastward of the North Sea, and blowing a strong gale from NW. over the Baltic.

WEATHER

Very fair over our Islands and France, but hazy at many of the southern stations.
Much rain has fallen over Scandinavia, small quantities over Denmark and Germany, as well as in the north and northwest of our Islands. A fall of 0·2 in: is reported from Paris.
Bright Sunshine recorded yesterday ranged from 10 to 11 hrs on many parts of our south and southwest coasts, and amounted to 9 hrs at Aberdeen; in the northeast it was less.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

At present the weather is very quiet, but the barometer after rising greatly begins to show signs of falling again on our western coasts. Very fine weather is probable over England.

FORECASTS

For the 24 hours ending at NOON on 2ND SEPTR 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. winds, freshening, some rain.	6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST 2 ENGLAND N.E.	W. and SW. breezes, light, fine; then freshening somewhat.	7 ENGLAND N.W.	Wind backing to SW. again; fair as a whole, warmer.
		8 ENGLAND S.W.	Anticyclonic airs; fair, hazy.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	NW. and W. airs; fine, hazy at times.	9 IRELAND NORTH 10 IRELAND SOUTH	SW. and S. winds, freshening; fine to showery
		WARNINGS	At 3·30 pm yesterday to districts 0, 2, 3, 5, 6, 7, 8, 9, and 10 "LOWER CONE".

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·58	54	48	NNW	9	c	4
Sumburgh Head	29·91	51	47	NNW	4	bc	4
Stornoway	30·01	55	50	NW	3	c	3
Aberdeen	30·04	56	47	NW	4	bcq	3
Shields	30·10	58	49	NW	3	c	2
Ardrossan	30·15	58	53	W	4	c	3
Malin Head ...	30·16	58	55	NW	5	g	4
Belmullet	30·27	59	53	W	2	bc	*
Holyhead	30·22	61	58	W	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·31	60	55	W	2	bv	4
Scilly	30·27	62	57	N	3	c	4
Jersey	30·27	64	57	WNW	4	c	3
Hurst Castle ...	30·17	67	59	NW	2	c	2
Dungeness ...	30·12	69	55	WNW	4	c	3
North Foreland	30·13	66	55	WNW	3	b	2
London (Westminster)	30·13	66	56	NW	4	c	*
Yarmouth ...	30·09	63	59	NW	4	b	4
Rochefort ...	30·19	74	70	NW	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the British Islands, France, and southern and southeastern Europe; very rough and unsettled over the North Sea, Denmark, and the south of Scandinavia, and becoming unsettled over the Baltic and western Russia; rain falling in Denmark and many parts of Norway and Sweden. Much rain later over Scandinavia, and small quantities in the north and northwest of our Islands and North Germany, but 0·2 in. at Paris and Munich.

Temperature falling over the United Kingdom and northern Europe. Morning readings highest 80° at Lisbon, and above 70° at many stations on the northern coasts of the Mediterranean, and over southeastern Europe. Lowest (1) 47° at Moscow, 48° at Kharkov and at Uleaborg, 55° at St. Petersburg; (2) 48° at Christiansund and Sumburgh Hd., 49° at Stornoway and Aberdeen, 55° at Parsontown, York, and Loughborough. Rising later to between 60° and 64° over Ireland & to between 63° and 69° over the greater part of England; to 68° at Berlin, 66° at Paris, 81° at Nice, and 88° at Perpignan. Falling considerably over our Islands at night.

Wind (1) NW³ and rather strong over the United Kingdom, W² and SW² over Germany, S³ over the Baltic and Gulf of Bothnia; (2) Very light and variable over the southern countries. A strong gale from SW. to NW. springing up later over the Baltic, but wind in our Islands falling light generally.

Barometer highest 30·2 in. and more over the southwest of Ireland, the Bay of Biscay, and northwest of Spain, and exceeding 30·0 in. over all the western and southern parts of our Islands, France, central, and southeastern Europe. Lowest, below 29·4 in. over Finmark, and below 29·3 in. in a well marked depression over Denmark and the Skagen Reck. Rising all day over the British Islands and the North Sea, falling fast over the Baltic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Friday 2nd September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.59	56	S	2	r	29.50	−.11	51	50	−3	NW	2	o	*	r	*	57	50	0.91
	Hernösand ...	29.71	50	NW	6	b	29.76	+.24	53	49	+5	W	2	c	*	b	*	54	45	0.20
	Stockholm ...	29.80	53	NW	2	o	29.91	+.48	53	49	+3	WSW	4	b	*	o	*	61	46	—
	Wisby	29.87	?.57	NNW	9	b	30.03	+.60	55	51	+1	NW	6	b	*	b	*	59	50	—
	Karlstad ...	29.90	53	W	2	b	29.95	+.25	55	51	+6	WSW	4	b	*	b	*	*	*	—
	Bodo	29.65	49	E	1	o	29.55	−.20	47	44	+1	SW	4	o	3	o	*	50	45	0.08
	Christiansund ...	29.81	53	SSW	6	o	29.80	−.08	46	44	−3	SSW	4	r	4	o	*	54	45	1.10
	Skudesnaes ...	30.10	55	SW	4	o	30.04	.00	55	53	+5	WSW	4	o	3	r, o	*	55	50	*
	Færder (Christiania Fjord)	29.94	59	W	4	bc	29.97	+.13	57	53	+6	WSW	6	o	4	bc	*	59	51	—
	Skagen (The Scaw)	30.02	57	NW	4	bc	30.09	+.21	57	53	+2	W	4	c	1	bc	*	63	54	—
	Fanö	30.20	56	WNW	4	c	30.22	+.16	57	52	+2	W	4	c	*	c	*	59	52	—
BRITISH ISLANDS	Sumburgh Head	29.92	54	WSW	6	c	29.88	−.05	53	52	0	Z	0	o	3	c	*	58	53	—
	Stornoway ...	30.02	54	W	3	o	29.79	−.26	54	53	−1	E	2	r	2	c, o	2.0	57	50	0.50
	Wick	30.04	55	W	3	o	29.88	−.17	53	53	−4	S	1	r	1	o	*	61	45	0.22
	Nairn	30.08	56	W	1	bc	29.82	−.28	55	54	−2	W	1	r	1	bc	*	62	50	0.43
	Aberdeen ...	30.11	59	WSW	2	c	29.91	−.24	53	52	−5	S	4	ogq	3	c	6.6	65	51	0.72
	Leith	30.18	55	W	3	o	?29.96	−.26	62	61	+7	SW	5	r	*	o, r	*	62	53	0.19
	Shields	30.24	58	WSW	3	c	30.11	−.15	56	54	+4	SSW	4	op	2	o, c	*	62	50	—
	Spurn Head ...	30.28	59	WNW	3	c	30.22	−.07	60	56	+3	WSW	4	c	4	c	*	62	53	—
	York	30.30	58	W	1	c	30.21	−.09	56	53	+1	S	2	o	*	c, o	0.4	60	46	—
	Loughborough ...	30.32	62	W	1	c	30.31	−.03	57	54	+2	SW	2	cw	*	bc, c	*	68	46	—
	Ardrossan ...	30.19	57	SSW	3	o	29.96	−.28	55	55	0	SW	7	rm	5	o	*	59	54	0.12
	Malin Head ...	30.15	58	S	3	og	29.95	−.27	62	62	+8	WSW	5	omp	3	c, og	*	63	54	0.04
	Belmullet ...	30.14	60	SSW	5	o	30.08	−.20	63	62	+6	WSW	6	o	*	o	*	63	55	0.03
	Donaghadee ...	30.25	59	WSW	3	o	30.05	−.24	62	62	+8	WSW	6	c	4	o	*	62	52	0.03
	Liverpool (Bidston)	30.31	58	W	2	bc	30.20	−.12	61	57	+4	SW	5	o	3	bc	*	61	50	—
	Holyhead ...	30.29	58	S	2	o	30.22	−.11	59	59	+2	SW	5	ogm	3	o	*	61	54	0.06
	Parsonstown ...	30.23	61	SE	1	c	30.18	−.15	65	63	+11	SW	1	o	*	c, r	2.1	65	53	0.02
	Valencia ...	30.25	58	S	4	rm	30.24	−.09	63	63	+5	S	3	om	4	og, rm	3.0	64	57	0.05
	Roche's Point ..	30.32	61	SSW	3	cg	30.27	−.09	61	61	+6	SW	4	rm	4	cg	*	64	55	0.03
	Pembroke (St. Ann's Hd.)	30.33	60	W	3	b	30.33	−.03	59	58	0	SW	4	o	3	b	5.3	63	58	0.01
	Scilly	30.35	60	S	1	bc	30.37	+.01	65	62	+5	S	2	bc	1	bc	12.1	66	55	—
	Prawle Point ...	30.36	58	SE	3	bc	30.39	+.01	62	58	+1	SW	2	b	2	bc	*	67	53	—
	Jersey (St. Aubin's)	30.36	64	NE	4	b	30.35	.00	57	53	−7	Z	0	bm	0	c, bw	*	67	46	—
	Hurst Castle ...	30.36	63	WSW	2	b	30.38	−.01	60	56	+3	Z	0	bm	0	bc, b	*	70	46	—
	Dungeness ...	30.35	61	ESE	1	bc	30.37	+.03	58	53	+2	WNW	1	b	0	b, bc	*	66	43	—
	North Foreland	30.36	59	E	2	bc	30.38	+.03	61	53	+3	WSW	2	b	2	b, bc	*	64	51	—
	London (Brixton) ...	30.33	60	W	2	bc	30.38	+.01	58	53	+6	SW	1	b	*	bc, b	6.2	71	45	—
	Oxford	30.36	59	W	1	c	30.37	−.01	57	53	+5	S	1	o	*	c	*	67	46	—
	Cambridge ...	30.33	62	SW	1	o	30.36	−.01	57	53	+5	SW	3	bc	*	c, o	3.5	67	47	—
	Yarmouth ...	30.31	61	SSE	3	c	30.31	.00	61	58	+6	WSW	2	b	3	b, c	*	62	52	—
GERMANY & HOLLAND	Cuxhaven ...	30.24	58	WNW	4	c	30.28	+.13	56	53	+1	SW	2	o	*	c	*	61	54	—
	Berlin	30.25	57	WNW	5	o	30.35	+.25	53	50	−2	WNW	2	b	*	o	*	63	50	—
	Wiesbaden ...	*	*	*	*	*	30.43	+.09	48	46	−4	Z	0	b	*	*	*	61	43	—
	Munich... ..	30.40	52	W	3	c	30.47	+.13	49	46	−3	NE	3	b	*	c	*	61	41	—
	The Helder ...	30.31	59	NW	2	bc	30.32	+.06	61	56	+2	WSW	3	o	3	bc	*	63	57	—
BELGIUM	Brussels ...	*	*	*	*	*	30.44	+.08	55	52	0	SE	1	b	*	c	*	64	47	—
	Cape Gris Nez...	?	58	E	1	m	?	?	55	53	−1	SSE	1	m	1	m	*	64	52	—
	Paris	30.34	60	E	1	bc	30.41	+.06	49	48	−6	NE	1	b	*	bc	*	68	44	—
	Brest	30.34	63	NE	2	b	30.36	+.02	56	54	+2	E	2	b	2	b	*	70	50	—
	Lorient... ...	30.32	66	NW	3	b	30.36	+.02	54	52	0	E	2	b	2	b	*	?	52	—
FRANCE &	Rochefort ...	30.24	73	E	3	b	30.27	+.02	56	54	−3	ENE	4	b	*	b	*	66	54	—
	Belfort	30.31	54	ENE	3	bc	30.36	+.08	48	45	−5	E	4	m	*	bc	*	63	43	—
	Lyons ...	30.26	62	N	1	b	30.35	+.10	51	48	−6	N	1	b	*	b	*	68	47	—
	Nice	30.04	69	Z	0	c	30.15	+.19	69	66	+3	Z	0	c	3	c	*	81	64	—
	Perpignan ...														*		*			
	Biarritz ...	30.18	72	N	3	b	30.19	.00	62	59	−4	S	2	bc	2	b	*	73	57	—
PENINSULA	Corunna ...																*			
	Lisbon	30.03	74	SW	3	b	30.07	+.05	77	70	−3	Z	0	m	*	b	*	86	70	—
	Azores (P. Delgada)	30.04	69	ENE	1	c	30.01	−.06	71	66	−1	NE	1	c	2	c	*	79	68	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

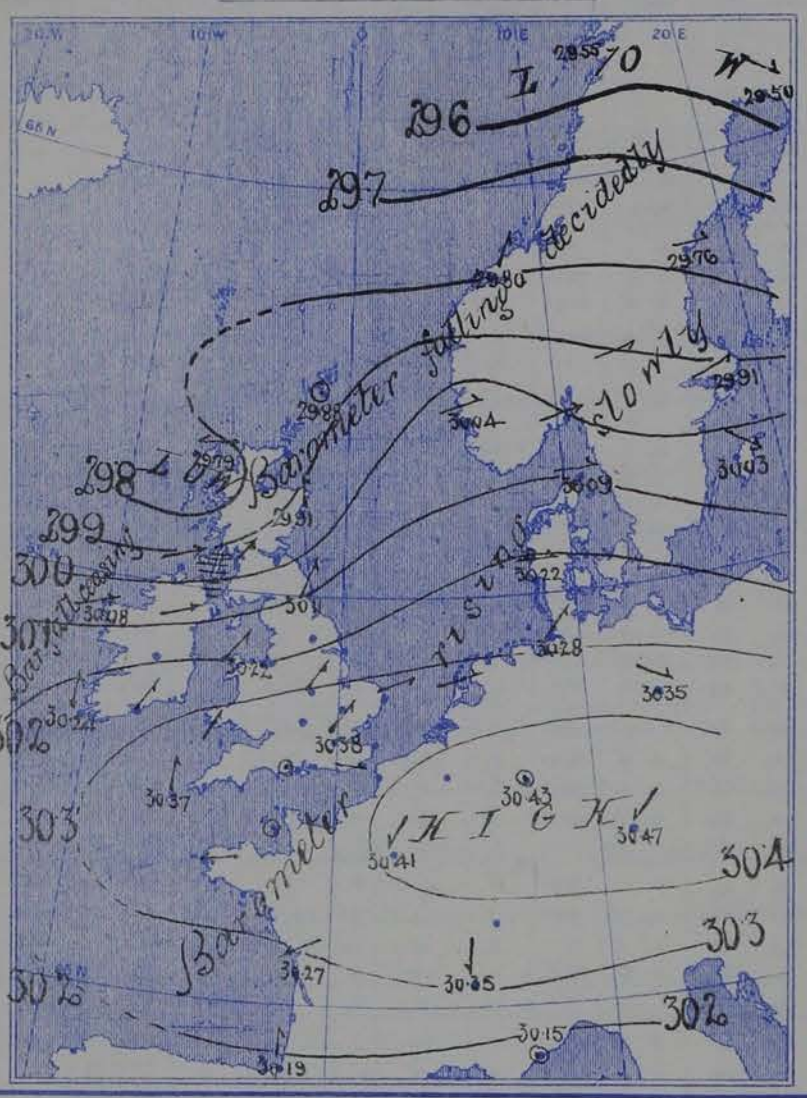
Bright Sunshine yesterday Southport 1·6 hrs;

WEATHER CHARTS

FOR Friday, 2nd September, 1898

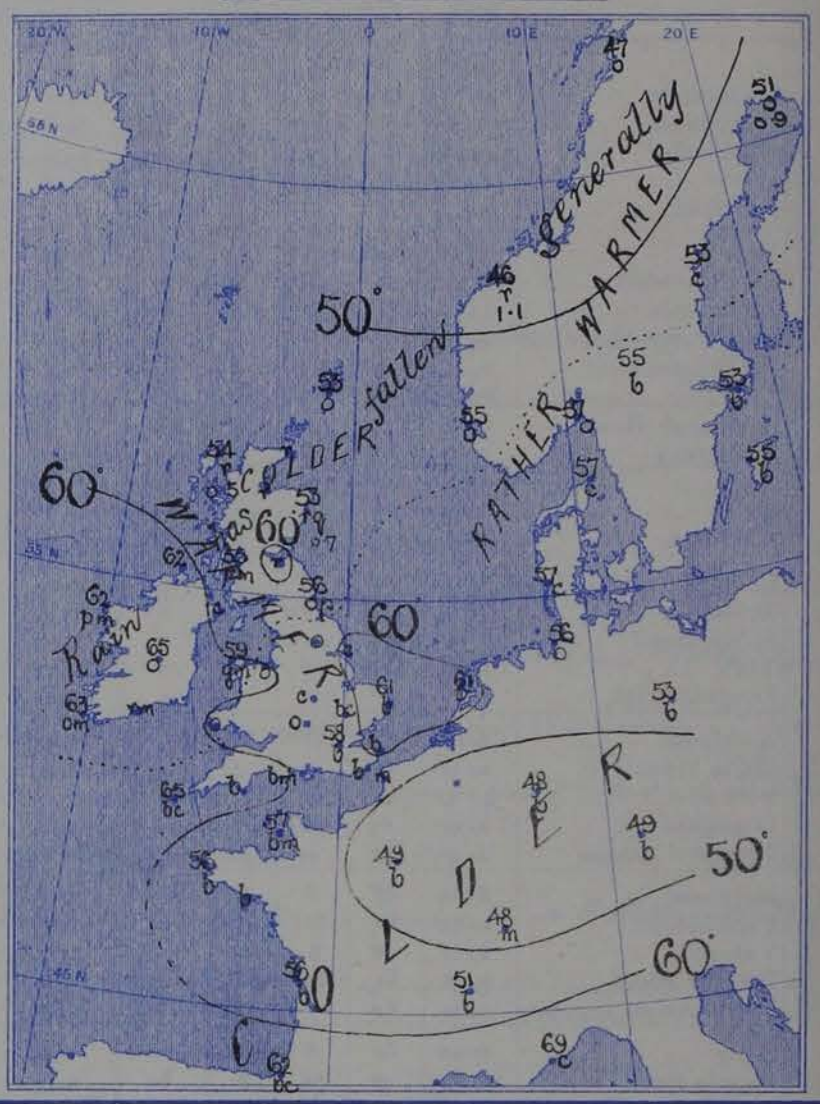
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and more to 30.2 ins. in an anticyclone covering Germany, France and the southern half of our Islands.
Lowest about 29.5 ins. over Lapland, and below 29.8 ins. off the W. of Scotland.
Gradients rather steep over our N^rn. and NW^rn. districts, slight in the E. and S.
Barometer was falling decidedly over Scotland, but the fall was checked on the W^rn. coast of Ireland.

TEMPERATURE

Highest 77° at Lisbon, 65° to 60° on our SW^rn. coasts, and exceeding 60° in the N. of Ireland and at Leith.
Lowest (1) 46° to 47° in the NW. of Norway, 53° to 55° in the N. of Scotland; (2) 48° at Wiesbaden and Belfort, 49° at Munich and Paris.
The maxima recorded yesterday were 68° to 71° over some parts of England, 68° at Paris, 81° at Nice. The night was very cool over England and central France.

WIND

Very light in force and anticyclonic in direction over France, Germany and the southern half of England, SW^ly. to S^ly. over our more northern districts, and blowing a very strong breeze on our northwestern coasts. A moderate gale was blowing at Ardrossan.

WEATHER

Very fine over the Continent and the S. and E. of England, changeable and showery in Ireland, very rainy in Scotland and at Christiansund. Rain had fallen at the W^rn. and N^rn. stations generally, heavily at Christiansund, and some parts of Scotland. Bright Sunshine recorded yesterday ranged from 12 to 10 hrs. at our most S^rn. stations, but was not nearly so much in the NW. and N.

SEA

Moderate to rather rough in the W. and N., slight to very smooth on our S. and E. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Unsettled weather is still probable in the W. and N., and it is probable that our S^rn. and E^rn. stations may be similarly affected — but with less intensity during the coming 24 hours.

FORECASTS

For the 24 hours ending at NOON on 3rd. SEPTEMBER 1898.

DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	S^ly. to W^ly. winds, strong to a gale, rainy, squally, changeable.
1 SCOTLAND EAST	SW^ly. and W^ly. winds, freshening, changeable, some showers.
2 ENGLAND N.E.	
3 ENGLAND EAST	Same as No. 5.
4 MIDLAND COUNTIES	Same as No. 2.
5 ENGLAND SOUTH	SW^ly. winds, freshening, weather changeable, but fair as a whole.
▼ 6 SCOTLAND WEST	Same as No. 0
▼ 7 ENGLAND N.W.	
▼ 8 ENGLAND S.W.	Same as No. 5.
▼ 9 IRELAND NORTH	S^ly. to W^ly. winds, strong, squally, some rain.
▼ 10 IRELAND SOUTH	
WARNINGS	At 7.15 pm. yesterday to districts 0 and 6 to 10. Hoist South Cone.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·06	54	53	WSW	2	r	2
Sumburgh Head	29·93	56	54	WSW	6	c	4
Stornoway	30·03	56	52	W	4	c	4
Aberdeen	30·11	63	52	W	3	c	2
Shields	30·26	61	53	WSW	3	o	2
Ardrossan	30·21	57	55	SSW	4	o	3
Malin Head ...	30·25	58	54	W	4	c	2
Belmullet	? 30·33	61	56	SSW	4	o	*
Holyhead	30·34	59	54	SW	2	o	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·28	62	57	SSE	4	og	5
Scilly	30·37	65	60	ESE	1	bc	1
Jersey	30·38	65	58	E	3	cm	3
Hurst Castle ...	30·37	69	57	ENE	4	b	3
Dungeness ...	30·36	65	56	ENE	4	b	3
North Foreland	30·38	62	54	NW	2	b	2
London (Westminster)	30·34	65	54	WNW	2	bc	*
Yarmouth ...	30·32	62	59	WNW	2	bc	3
Rochefort ...	30·25	82	T	E	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the Mediterranean, France and the greater part of the British Islands; very unsettled over the Baltic and N.rn Europe, with rain at several stations. A great deal of rain falling later over N.rn Europe and Scotland, and small quantities over the N.rn and W.rn parts of the British Islands; remaining continuously fine over the E. and S. of the United Kingdom, and over the whole of the S.rn half of Europe.

Temperature fallen considerably over Germany, France and the S. of England, as well as at many of the Baltic stations. Morning readings highest 70° and more over the S.rn half of the Mediterranean, and on the E.rn shores of the Adriatic, and exceeding 60° over the SW.rn parts of England. Lowest 46° at Bodö, 49° at Christiansund and Karlstad, and below 60° over E.rn central and N.rn Europe, and nearly the whole of the British Islands. Rising later to between 65° and 70° over many parts of England to 68° at Paris, 81° at Nice, and 86° at Rochefort. Succeeding night very cool over England and central France.

Wind (1) light to moderate in force, and anticyclonic in direction over W.rn Europe and the British Islands; (2) Cyclonic over northern Europe and the Baltic, and blowing a strong gale from NW. over Sweden, and from SSW. over the Baltic provinces of Russia; SE. by E. to E. by E. over Finland.

Barometer highest 30·3 ins. and more to 30·1 ins. in a large anticyclone covering Germany, France, nearly the whole of the British Islands and the North Sea. Lowest (1) below 29·5 ins. in a depression lying over the Baltic and the Gulf of Bothnia; (2) below 29·9 ins. in another over SE.rn Europe, and in a third over the N.rn parts of the Mediterranean. Falling decidedly over the W.rn parts of the British Islands later, but rising fast over Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 3rd September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.59	50	W	6	c	29.65	+.15	46	41	-5	NW	6	b	*	c	*	59	46	-
	Hernösand ...	29.83	47	NW	2	b	29.91	+.15	47	41	-6	NW	6	b	*	b	*	63	39	0.04
	Stockholm ...	29.89	56	SW	4	o	29.99	+.08	50	46	-3	NE	4	b	*	o	*	?	45	-
	Wisby	30.03	58	WSW	6	o	30.01	-.02	54	52	-1	NW	4	c	*	o	*	63	52	-
	Karlstad ...	29.94	55	W	0	b	29.99	+.04	50	48	-5	NNW	2	c	*	b	*	*	*	-
	Bodö	29.68	44	WSW	6	r	29.59	+.04	42	41	-5	WSW	6	r	3	r	*	50	41	0.83
	Christiansund ...	29.96	49	WNW	5	o	30.03	+.23	47	44	+1	W	6	c	4	o	*	52	45	0.20
	Skudesnaes ...	30.01	55	W	2	o	30.14	+.10	54	53	-1	NW	4	o	2	o	*	58	48	*
	Færder (Christiania Fjord)	29.93	57	WSW	6	b	30.03	+.06	55	50	-2	NNE	4	b	3	b	*	59	54	-
	Skagen (The Scaw)	30.03	53	W	3	m	30.07	-.02	57	54	0	NW	2	b	0	m	*	61	48	-
	Fanö	29.99	59	WSW	6	r	30.16	-.06	54	53	-3	N	2	b	*	r	*	61	54	0.35
BRITISH ISLANDS.	Sumburgh Head	29.97	55	WNW	1	b	30.05	+.17	53	53	0	ESE	1	r	3	b	*	60	49	-
	Stornoway ...	29.94	60	SW	3	o	30.03	+.24	60	59	+6	W	4	o	4	o	1.9	62	50	0.05
	Wick	30.00	55	WSW	2	o	30.03	+.15	62	61	+9	WSW	1	o	0	o	*	62	51	0.08
	Nairn	29.98	62	W	0	bc	30.08	+.26	66	63	+11	W	2	c	1	bc	*	66	52	0.23
	Aberdeen ...	30.02	57	E	2	bc	30.10	+.19	63	62	+10	SSW	2	o g m	2	b c g, p	4.5	64	53	0.10
	Leith	30.06	62	W	3	o	30.16	+.20	65	62	+3	WSW	3	o	*	o	*	68	59	0.04
	Shields	30.10	67	SW	4	o	30.22	+.11	64	62	+8	WSW	4	c	2	o	*	70	54	-
	Spurn Head ...	30.17	65	W	5	c	30.29	+.07	63	61	+3	WSW	4	c	3	c	*	70	60	-
	York	30.19	67	W	3	c	30.30	+.09	64	62	+8	SW	2	c	*	o, c	0.0	68	56	0.01
	Loughborough ...	30.28	66	WSW	3	c	30.37	+.06	61	59	+4	WSW	2	b c m w	*	c, b c m	*	70	57	-
	Ardrossan ...	30.11	61	SW	4	o m	30.23	+.27	59	59	+4	S	3	p m	3	r m, o m	*	63	?55	0.08
	Malin Head ...	30.08	63	W	5	o g m	30.20	+.25	62	62	0	W	5	o p m	2	c. o g m	*	63	61	0.02
	Belmullet ...	30.13	62	SW	5	o m	30.28	+.20	62	61	-1	WSW	2	o	*	o, o m	*	64	60	0.03
	Donaghadee ...	30.17	67	SW	2	o	30.29	+.24	65	63	+3	WSW	3	c	1	o	*	70	61	0.03
	Liverpool (Bidston)	30.24	64	SW	3	o	30.36	+.16	61	58	0	SW	1	o	2	c, o	*	69	59	-
	Holyhead ...	30.25	60	SW	4	o f	30.35	+.13	61	60	+2	SW	3	b c	2	o f	*	62	57	-
	Parsonstown ...	30.22	69	W	1	c	30.34	+.16	63	60	-2	SE	1	c	*	o, c	1.5	72	59	-
	Valencia ...	30.27	64	S	2	o	30.37	+.13	62	59	-1	S	3	c	4	o	1.1	68	60	-
	Roche's Point ..	30.32	66	WSW	3	b c	30.43	+.16	62	59	+1	SW	2	b	2	b c	*	67	58	-
	Pembroke (St. Ann's Hd.)	30.35	61	WSW	3	c	30.42	+.09	61	60	+2	WSW	3	b m	3	o, c	0.6	63	59	-
	Scilly	30.38	62	SSE	1	b	30.41	+.04	64	62	-1	SSE	1	b w	0	b	12.0	68	58	-
	Prawle Point ...	30.38	60	WSW	2	b	30.44	+.05	63	58	+1	WSW	1	b	1	b	*	66	53	-
	Jersey (St. Aubin's)	30.38	67	NE	3	b	30.45	+.10	66	60	+9	NE	1	b m	1	b m	*	70	52	-
	Hurst Castle ...	30.36	65	WSW	3	b c	30.43	+.05	63	60	+3	WSW	1	b m	1	b, b c	*	69	?58	-
	Dungeness ...	30.32	63	SW	4	b c	30.40	+.03	65	61	+7	WSW	2	c	1	b c	*	68	51	-
GERMANY & HOLLAND.	North Foreland	30.31	65	SW	3	b	30.42	+.04	66	61	+5	W	2	b	1	b	*	73	57	-
	London (Brixton) ...	30.31	70	WSW	2	b c	30.41	+.03	62	60	+4	W	1	b c	*	b c	9.5	76	56	-
	Oxford	30.35	62	SW	2	b c	30.41	+.04	62	58	+5	W	3	b	*	b c	*	72	56	-
	Cambridge ...	30.30	69	W	2	o	30.39	+.03	64	61	+7	W	2	b	*	b c, o	7.1	75	55	-
	Yarmouth ...	30.24	70	WSW	4	b c	30.33	+.02	64	62	+3	W	3	b	2	b, b c	*	72	57	-
	Cuxhaven ...	30.21	59	SW	4	r	30.19	-.09	59	56	+3	NW	4	o	*	r	*	61	54	-
	Berlin	30.32	55	W	3	o	30.17	-.18	58	54	+5	WSW	3	o	*	o	*	63	52	-
	Wiesbaden ...	*	*	*	*	*	30.41	-.02	53	51	+5	ESE	1	o	*	*	*	63	46	-
	Munich... ..	30.43	52	W	0	b	30.46	-.01	53	51	+4	W	3	b	*	b	*	61	43	-
	The Helder ...	30.22	63	SW	4	o	30.30	-.02	63	62	+2	WNW	2	c	3	o	*	64	61	-
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30.43	-.01	58	55	+3	SW	1	b	*	b c	*	69	53	-
	Cape Gris Nez...	?	62	W	3	b c	?	?	62	59	+7	W	1	b	1	b c	*	66	54	-
	Paris	30.37	62	NE	1	b	30.45	+.04	52	51	+3	N	1	b	*	b	*	70	47	-
	Brest	30.35	68	N	2	b	30.40	+.04	59	55	+3	E	2	b	1	b	*	72	54	-
	Lorient... ...	30.34	66	WNW	1	b	30.39	+.03	58	55	+4	E	2	m	2	b	*	?	52	-
	Rochefort ...	30.23	75	ENE	3	b	30.29	+.02	59	58	+3	E	4	b	*	b	*	86	55	-
	Belfort	30.32	61	ENE	2	b	30.41	+.05	52	50	+4	NE	3	m	*	b	*	69	46	-
	Lyons	30.27	66	NNE	1	b	30.39	+.04	55	52	+4	N	1	b	*	b	*	73	51	-
	Nice	30.21	70	SW	2	b c	30.25	+.10	69	61	0	ESE	1	b	1	b c	*	81	63	-
	Perpignan ...	30.21	70	E	2	b	30.32		59	56		W	2	b c	*	b	*	80	51	-
	Biarritz ...	30.15	71	NNE	4	b	30.21	+.02	61	57	-1	E	2	b	1	b	*	75	57	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.12	75	NNW	2	b	30.16	+.09	70	65	-7	ENE	2	b	*	b	*	90	64	-
	Azores (P. Delgada)	30.03	71	S	1	b c	30.00	-.01	73	70	+2	SE	1	c	2	b c	*	81	70	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

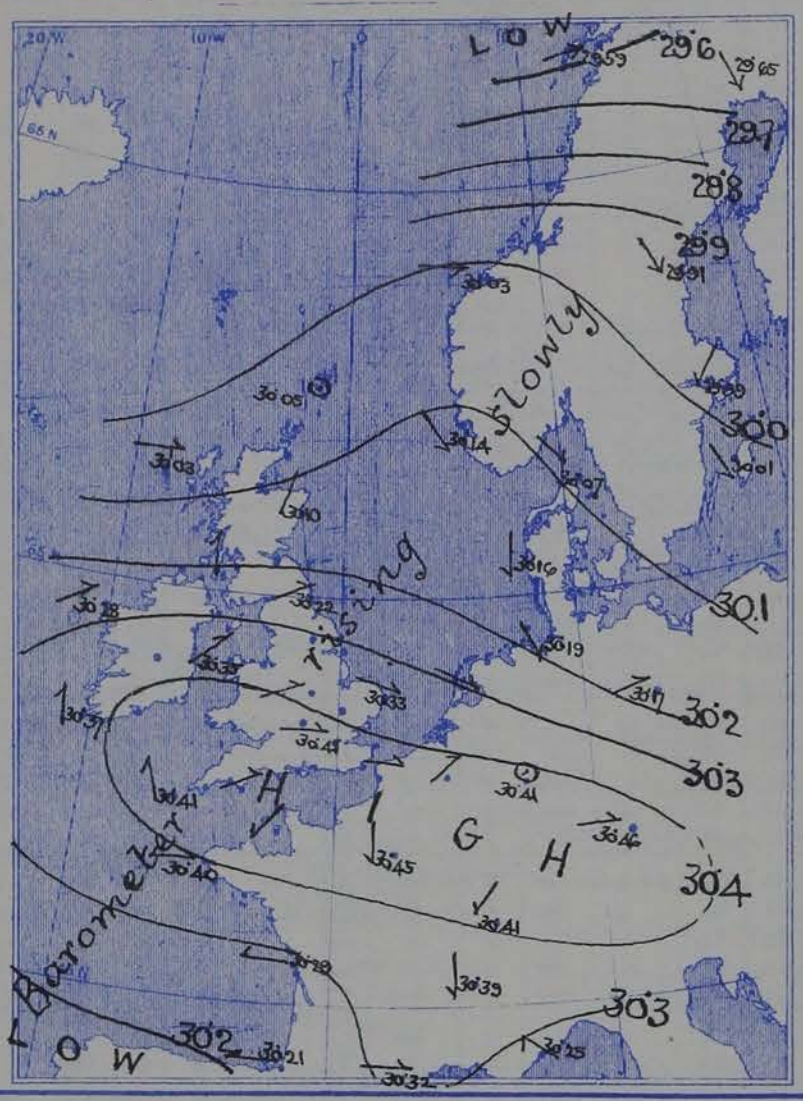
Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Saturday, 3rd September, 1898

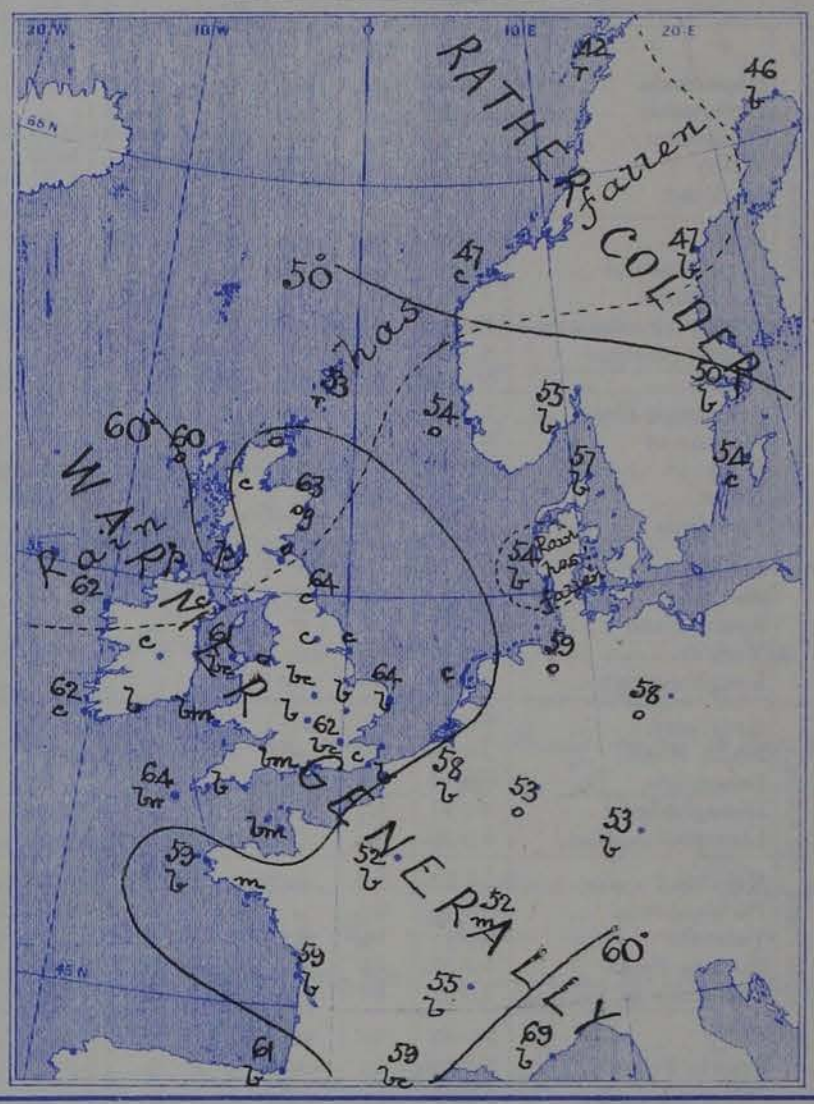
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more to 30·2 ins: in an anticyclone covering Ireland, England, France, and Germany.
Lowest, 29·6 ins: and less, over the west and north of Lapland; below 30·1 ins: over the north of Scotland, and below 30·3 ins: in the south of France.
Gradients slight generally; distribution anticyclonic.
Barometer rising generally, except over Germany.

TEMPERATURE

Highest, 66° at Nairn, 65° at Leith, and above 60° over our Islands as a whole.
Lowest, 42° to 47° on the north coasts of Scandinavia, 50° at Stockholm and Karlstad, 53° at Sumburgh Hd., 52° at Paris and Belfast, 53° at Munich and Wiesbaden.
The highest of the maxima recorded yesterday were 70° to 76° over the inland parts of our Islands, 70° at Paris, 81° at Nice. At Berlin the maximum was only 63°.

WIND

Very light in force and anticyclonic in direction over Germany, France, England and Ireland.
W. and SW. over the northern parts of our Islands, and very strong from the W. or NW. over the northern parts of Scandinavia.
In France and over the Bay of Biscay the wind is NE. to E.

WEATHER

Dull over the northern parts of our Islands and in Norway, with rain at Sumburgh Head and Bodö; fine generally elsewhere, but hazy in places.
Considerable rain has fallen at Bodö and Fanö, and a very little over the northern and northwestern parts of the British Islands.
Bright Sunshine recorded yesterday from 12 to 10 hours on the south coast of England, but there was very little over Ireland and the northern parts of Great Britain.

SEA

Slight or smooth except off our extreme west and northwest coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine weather is probable generally, with an increase of temperature over England.

FORECASTS

For the 24 hours ending at NOON on 4th Sept. 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	W. breezes, light to moderate; fair as a whole.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 & 1.
2 ENGLAND N.E.	W. breezes, light; fine, hazy at times.	8 ENGLAND S.W.	Same as No. 5.
3 ENGLAND EAST	Same as No. 5	9 IRELAND NORTH 10 IRELAND SOUTH	Variable and S. breezes; fine generally.
4 MIDLAND COUNTIES	Same as No. 2.		
5 ENGLAND SOUTH	Varying and E. airs; very fine, hazy at times. Warmer.	WARNINGS	At 4 pm yesterday to districts 0, and 6 to 10 "Lower Cone".

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·01	58	54	NSW	2	o	2
Sumburgh Head	29.92	56	54	N	2	b	3
Stornoway	29.91	60	59	SW	3	c	3
Aberdeen	29.91	61	58	NW	5	bcq	4
Shields	30.07	68	63	SW	3	o	2
Ardrossan	30·07	63	62	SW	5	rm	4
Malin Head ...	30·04	63	62	W	5	c	4
Belmullet	30·13	64	62	NSW	4	o	*
Holyhead	30·24	62	61	SW	5	f	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·27	67	64	S	4	c	4
Scilly	30·35	68	64	SSE	1	b	1
Jersey	30·41	69	60	E	3	b	3
Hurst Castle ...	30·37	69	60	SW	2	b	2
Dungeness ...	30·34	66	59	NSW	3	bc	2
North Foreland	30·34	68	58	NNW	2	b	1
London (Westminster)	30.32	74	63	NSW	2	bc	*
Yarmouth ...	30·26	70	68	NSW	4	b	3
Rochefort ...	30·25	81	77	ENE	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over southern, western, and central Europe, including the southern half of England, changeable and unsettled over the more northern countries – especially Scandinavia, rain falling all over Scotland and in some parts of Ireland and Norway. The fall later considerable in Norway and Denmark, but comparatively slight over Scotland and Ireland; no rain over the southern countries.

Temperature changing irregularly, but rising fast over Ireland, falling over Central Europe. Morning readings highest 70° to 76° over the southern parts of the Mediterranean, 73° at Constantinople; 63° at the Irish stations and on the southwest coast of England. Lowest (1) 46° to 47° over the northwest of Norway, 51° at Ulealborg; (2) 53° to 55° over the greater part of Scotland, and 54° to 58° over the Baltic; (3) 48° at Wiesbaden and Belfort, 49° at Paris and Munich, 50° at Warsaw and Lemberg. Rising later to between 70° and 76° in many parts of our Islands, to 70° at Paris and 81° at Nice; succeeding night warm over our Islands.

Wind (1) light and anticyclonic over the western and central countries of Continental Europe, but (2) mainly SW to W over the northern countries, and fresh to strong in force – very strong on the northwest coasts of our Islands, (3) E over southern Europe and blowing hard at Trieste; N to NW over Italy, Sardinia and Malta. Subsiding on our northwest coasts later.

Barometer highest 30·4 ins. and more to 30·1 ins. in an anticyclone covering Germany, France, the Bay of Biscay, Ireland, England, and the southern half of the North Sea. Lowest 29·5 ins. to 29·6 ins. over Lapland, and below 29·8 ins. in a new depression off the west of Scotland. Rising later over the western and northern parts of our area, falling over Germany, France, and the southeast of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 4th September. 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.63	49	2	0	b	29.84	+ .19	45	41	− 1	NNW	4	b	*	b	*	59	34	—
	Hernösand ...	29.89	46	NW	6	b	30.06	+ .15	50	43	+ 3	WNW	6	b	*	b	*	54	39	—
	Stockholm ...	30.00	51	SW	4	b	30.12	+ .13	48	43	− 2	NW	4	b	*	b	*	61	45	—
	Wisby	30.01	53	N	4	bc	30.15	+ .14	50	46	− 4	N	6	bc	*	bc	*	57	48	0.04
	Karlstad ...	30.06	51	W	3	b	30.28	+ .29	46	41	− 4	NW	2	b	*	b	*	*	*	0.43
	Bodö	29.79	47	NW	6	c	30.08	+ .49	46	43	+ 4	WNW	6	c	3	c	*	48	41	0.51
	Christiansund ...	30.22	48	WNW	3	o	30.30	+ .27	49	45	+ 2	SW	1	o	3	o	*	49	43	0.04
	Skudesnaes ...	30.21	54	NW	2	c	30.32	+ .18	50	49	− 4	NE	1	c	1	o c	*	57	46	*
	Færder (Christiania Fjord)	30.08	60	NNW	2	o	30.30	+ .27	52	47	− 3	E	2	b	2	o	*	60	52	—
	Skagen (The Scaw)	30.13	57	NNW	2	o	30.29	+ .22	55	50	− 2	ESE	2	b	0	o	*	61	50	—
	Fanö	30.19	60	W	3	r	30.28	+ .12	58	57	+ 4	NNW	2	bc	*	r	*	61	54	—
BRITISH ISLANDS.	Sumburgh Head	30.11	54	ESE	1	r	30.31	+ .26	55	55	+ 2	WNW	3	o	4	r	*	56	42	0.35
	Stornoway ...	30.17	62	W	3	o	30.27	+ .24	58	56	− 2	SW	3	c	3	c.o	0.4	64	52	—
	Wick	30.14	62	2	0	r	30.31	+ .28	63	60	+ 1	NW	1	b	1	r	*	66	56	0.12
	Nairn	30.20	67	W	1	c	30.32	+ .24	65	60	− 1	W	2	b	1	c	*	75	57	—
	Aberdeen ...	30.20	72	W	2	bc	30.33	+ .23	71	64	+ 8	SW	2	bw	1	bc	4.9	81	56	—
	Leith	30.26	66	W	2	c	30.34	+ .18	68	64	+ 3	W	2	bc	*	c	*	69	60	—
	Shields	30.32	68	SW	2	bc	30.39	+ .17	68	64	+ 4	WSW	2	bc	2	bc	*	74	59	—
	Spurn Head ...	30.32	64	WNW	4	c	30.39	+ .10	62	60	− 1	W	1	b	3	c	*	69	59	—
	York	30.35	67	W	1	b	30.42	+ .12	62	62	− 2	WNW	1	b	*	b	?	75	53	—
	Loughborough ...	30.37	71	NW	1	b	30.44	+ .07	56	56	− 5	WNW	1	fw	*	c.bc.bf	*	75	52	—
	Ardrossan ...	30.31	64	W	2	o	30.36	+ .13	61	61	+ 2	2	0	of	0	o	*	65	54	—
	Malin Head ...	30.32	63	W	5	bw	30.31	+ .11	65	64	+ 3	S	3	b	1	bc	*	65	58	—
	Belmullet ...	30.34	62	SSW	2	c	30.28	.00	65	58	+ 3	SSE	1	b	*	c	*	66	53	—
	Donaghadee ...	30.36	67	W	2	bc	30.40	+ .11	63	61	− 2	SW	3	b	1	bc	*	74	52	—
	Liverpool (Bidston)	30.40	65	W	2	bc	30.42	+ .06	64	61	+ 3	2	0	b	?	bc	*	69	54	—
	Holyhead ...	30.41	62	SW	1	b	30.40	+ .05	58	58	− 3	2	0	f	0	b	*	65	53	—
	Parsonstown ...	30.36	75	2	0	b	30.34	.00	63	58	0	2	0	bw	*	b	9.4	77	53	—
	Valencia ...	30.37	69	S	2	b	30.27	− .10	72	62	+ 10	SE	5	b	5	b	9.8	72	57	—
	Roche's Point ..	30.41	64	SW	3	bm	30.39	− .04	64	62	+ 2	SE	2	b	3	bm	*	66	52	—
	Pembroke (St. Ann's Hd.)	30.43	60	W	2	f	30.39	− .03	61	59	0	E	3	bm	3	f	9.9	62	54	—
	Scilly	30.40	66	E	1	b	30.34	− .07	66	63	+ 2	ESE	3	bm	0	b	12.0	70	59	—
	Prawle Point ...	30.41	65	NW	2	b	30.38	− .06	68	63	+ 5	NE	3	b	2	b	*	71	60	—
	Jersey (St. Aubin's)	30.40	69	NNE	3	bm	30.38	− .07	68	63	+ 2	E	3	bm	3	bm	*	77	59	—
	Hurst Castle ...	30.39	68	SW	2	bm	30.40	− .03	67	63	+ 4	NE	1	bm	1	bm	*	72	59	—
	Dungeness ...	30.36	65	SW	3	b	30.38	− .02	67	63	+ 2	ESE	1	b	1	b	*	70	55	—
	North Foreland	30.37	69	S	2	b	30.41	− .01	67	64	+ 1	ENE	1	bm	0	b	*	74	62	—
	London (Brixton) ...	30.36	76	NW	1	b	30.42	+ .01	68	63	+ 6	E	1	b	*	b	9.7	83	58	—
	Oxford	30.40	68	NNW	1	b	30.43	+ .02	58	57	− 4	N	1	f	*	b	*	79	54	—
	Cambridge ...	30.37	73	NNW	1	b	30.43	+ .04	61	61	− 3	2	0	bw	*	b	11.2	79	53	—
	Yarmouth ...	30.33	67	SSE	2	bc	30.40	+ .07	66	64	+ 2	N	2	b	2	bc	*	73	59	—
GERMANY & HOLLAND.	Cuxhaven ...	30.26	63	W	2	o	30.29	+ .10	60	59	+ 1	NW	2	o	*	o	*	63	59	0.04
	Berlin	30.25	61	2	0	b	30.21	+ .04	62	61	+ 4	NW	2	r	*	b	*	68	59	0.12
	Wiesbaden ...	*	*	*	*	*	30.38	− .03	64	61	+ 11	N	1	bc	*	*	*	70	57	—
	Munich... ..	30.46	60	2	0	o	30.43	− .03	60	57	+ 7	SW	2	o	*	o	*	68	55	—
	The Helder ...	30.32	64	WSW	2	c	30.37	+ .07	63	62	0	WNW	1	c	1	c	*	68	63	—
BELGIUM.	Brussels ...	*	*	*	*	*	30.42	− .01	64	61	+ 6	SW	1	b	*	b	*	77	55	—
	Cape Gris Nez...	30.36	65	SW	1	b	30.37	?	64	61	+ 2	SW	1	b	1	b	*	72	59	—
	Paris	30.39	68	NE	1	b	30.39	− .06	59	58	+ 7	N	2	b	*	b	*	77	52	—
	Brest	30.34	74	NE	2	b	30.32	− .08	63	59	+ 4	E	2	b	2	b	*	79	55	—
	Lorient... ...	30.32	74	2	0	b	30.31	− .08	63	63	+ 5	E	4	b	3	b	*	?	52	—
FRANCE &	Rochefort ...	30.22	81	E	3	bc	30.27	− .02	64	60	+ 5	E	4	b	*	bc	*	93	55	—
	Belfort	30.32	67	E	5	bc	30.35	− .06	57	54	+ 5	ENE	6	w	*	bc	*	74	51	—
	Lyons	30.31	69	NNE	1	b	30.32	− .07	61	57	+ 6	E	1	b	*	b	*	76	54	—
	Nice	30.24	69	SW	2	b	30.25	.00	68	61	− 1	E	1	b	1	b	*	81	61	—
	Perpignan ...	30.24	70	SE	1	b	30.26	− .06	61	57	+ 2	2	0	b	*	b	*	81	59	—
	Biarritz ...	30.13	74	NE	4	b	30.15	− .06	67	58	+ 6	SE	3	b	1	b	*	88	61	—
PENIN-SULA.	Corunna ...																*			
	Lisbon	30.11	75	N	3	b	30.13	− .03	69	62	− 1	NE	1	b	*	b	*	86	63	—
	Azores (P. Delgada)	30.23	73	SSW	4	c	29.96	− .04	72	71	− 1	SSW	3	r	4	c	*	81	72	0.12

For Explanation of Columns, see bottom of last page.

† *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 2.5 hrs;

WEATHER CHARTS

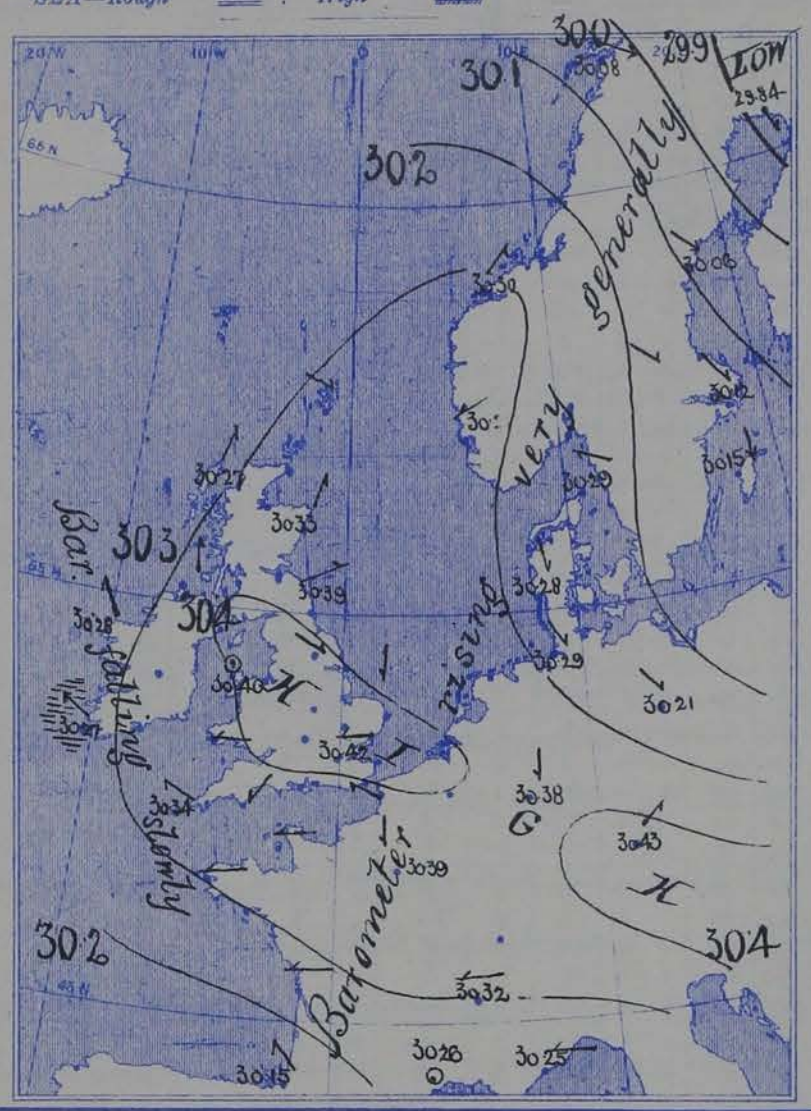
FOR Sunday, 4th September, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

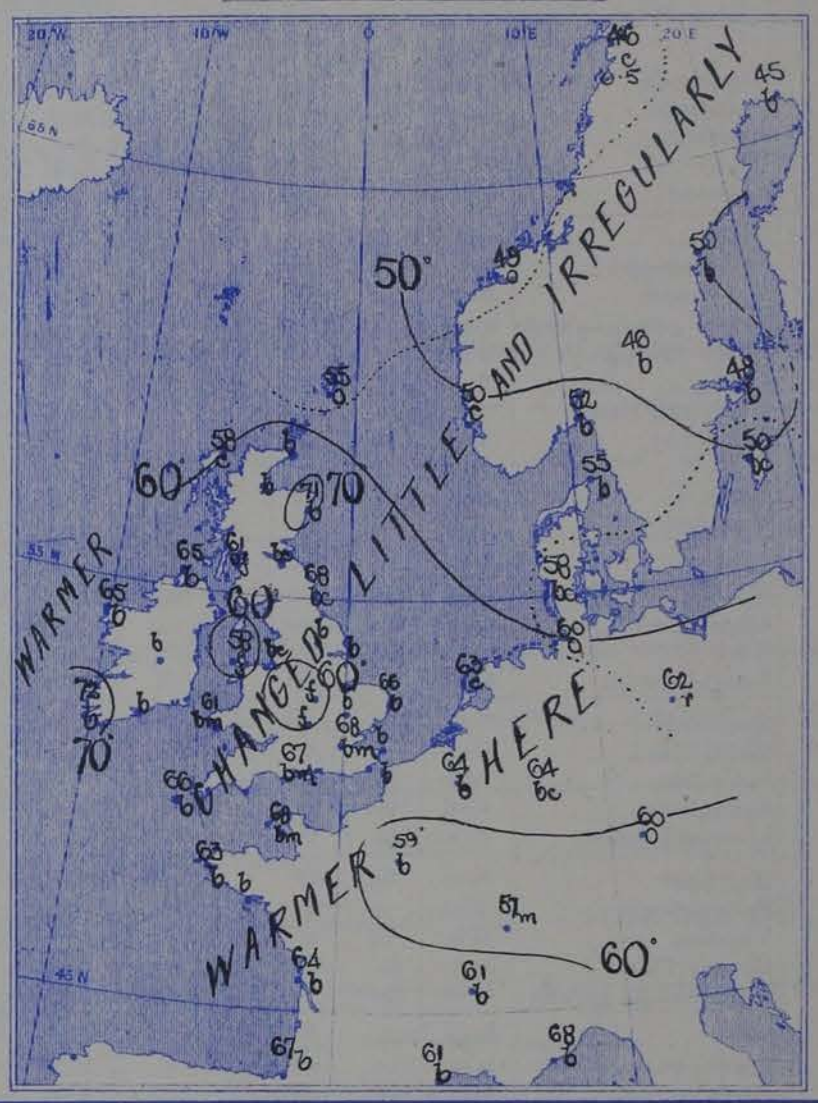
Force above 10 ⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; *Force 1 to 4* ⟶ ; }

SEA—Rough ▤ : *High* ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins: and more to 30·3 ins: over nearly the whole of Austria, France, Western Germany, the North Sea and the British Islands. Lowest, (1) Below 29·9 ins: over the Eastern half of Lapland and most of Finland; (2) Below 30·2 ins: over the Spanish Peninsula. Gradients very slight. Barometer falling somewhat over France and our southwestern and western districts, and the fall is spreading eastwards; over northern Europe it is rising decidedly.

TEMPERATURE — Highest, 72° at Valencia, 71° at Aberdeen, 68° to 62° over England, 67° to 63° in the west and southwest of France. Lowest, (1) 45° to 46° in Lapland, 48° at Stockholm, 49° at Christiansund; (2) 57° at Brest, 59° at Paris. The highest of the maxima recorded yesterday were, 81° at Aberdeen, 83° in London; 77° at Paris, 81° at Nice and Perpignan, 93° at Rochefort; but only 68° at Berlin, and below 70° at several of our western stations.

WIND — An anticyclone over western and northwestern Europe generally — including the British Islands — E. in the west of France, SE. at our western stations, SW. to W. in the north of Scotland, NW. over Sweden and Lapland.

WEATHER — Fine generally, but dull over the Hebrides and the Shetlands, and cloudy in the west of Norway and at Munich, rainy at Berlin. Rainfall is reported from only a few stations, situated either in the Shetlands and Norway or over the northern parts of Germany. Bright Sunshine recorded yesterday ranged between 0·4 hr: at Stornoway and 12·0 hrs at Scilly.

SEA — High at Christiansund, rather rough at Valencia, very little disturbed elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 5TH SEPT: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·19	57	54	NNW	2	o	3
Sumburgh Head	30·08	54	54	ESE	2	r	3
Stornoway	30·11	64	62	W	3	c	3
Aberdeen	30·15	77	67	W	3	bc	1
Shields	30·28	72	67	SW	4	bc	2
Ardrossan	30·31	63	62	W	1	c	1
Malin Head ...	30·29	65	64	W	5	c	3
Belmullet	30·34	65	63	SSW	1	o	*
Holyhead	30·40	64	62	SW	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·37	71	61	S	5	b	4
Scilly	30·31	69	64	SE	1	b	0
Jersey	30·43	74	61	ESE	2	b	2
Hurst Castle ...	30·41	72	64	SW	3	bm	2
Dungeness ...	30·38	69	63	SW	3	b	2
North Foreland	30·38	72	65	SE	3	b.	2
London (Westminster)	30·36	80	66	W	1	b	*
Yarmouth ...	30·33	68	66	E	2	bc	2
Rochefort ...	30·28	88	77	E	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the Mediterranean, France, England, Sweden, and the south of Russia, generally dull elsewhere, with rain in the northwest of Norway, at Sumburgh Head and at Malin Head. Rain later in several parts of Scandinavia, the Shetlands, and in parts of North Germany as well as in the Azores, but none reported over Ireland, Great Britain, or France. Fog or haze reported in a few places.

Temperature in morning highest 70° and more at most of the Mediterranean stations, 70° at Lisbon, 66° to 60° over the British Islands generally. Lowest (1) 42° at Bodö, 46° at Haparanda, 50° at Karlstad and Stockholm, 52° at St Petersburg, (2) 46° at Kiew, 49° at Kharkov, 48° at Vienna, 52° at Prague. Rising later to 81° at Aberdeen, 83° in London, and touching 81° at Nice and Perpignan, and 93° at Rochefort, but not exceeding 77° at Paris or Brussels, or 68° at Berlin.

Wind very light and anticyclonic over the southern half of Continental Europe, including the south of England, SW' over Ireland, W' over Scotland; W' to NW' and strong over the north of Scandinavia, but E' over the Mediterranean. Very light all over our Islands in the evening, and moderating in Norway.

Barometer highest 30·4 ins. and more to 30·2 ins. in an anticyclone covering the whole of Ireland, England, France, and Germany, with the greater part of the Mediterranean. Lowest below 29·6 ins. over Lapland. Gradients slight except over the northern parts of Scandinavia. Rising all day over the northern regions, falling a little over Spain, France, and the south of England. Anticyclone spreading northwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 5th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	30.01	42	W	0	b	30.11	+.27	45	40	0	NNW	4	b	*	b	*	55	34	-
	Hernösand ...	30.15	47	W	0	b	30.21	+.15	45	42	-5	NW	4	bc	*	b	*	57	41	-
	Stockholm ...	30.20	50	W	0	b	30.17	+.05	49	46	+1	NNW	4	b	*	b	*	57	41	-
	Wisby	30.23	55	NNW	4	b	30.15	.00	54	51	+4	NNW	4	b	*	b	*	66	46	-
	Karlstad ..	30.23	52	NNW	2	b	30.21	-.07	51	47	+5	N	2	b	*	b	*	*	*	-
	Bodö	30.18	45	NNW	4	0	30.15	+.07	45	42	-1	E	2	0	0	0	*	46	41	0.12
	Christiansund ...	30.21	50	W	0	r	30.20	-.10	54	53	+5	W	7	f	5	r	*	54	48	0.28
	Skudesnaes ...	30.31	53	ESE	2	r	30.34	+.02	52	52	+2	W	0	f	1	0, r	*	56	50	*
	Færder (Christiania Fjord)	30.25	57	NNW	2	0	30.22	-.08	55	54	+3	NNE	2	b	1	0	*	57	52	-
	Skagen (The Scaw)	30.28	58	SSW	1	0	30.22	-.07	58	57	+3	NE	1	b	0	0	*	63	54	-
	Fanö	30.33	59	NW	3	b	30.30	+.02	59	57	+1	NW	4	c	*	b	*	66	57	-
GERMANY & HOLLAND.	Sumburgh Head	30.23	57	W	3	b	30.15	-.16	58	56	+3	W	0	b	2	b	*	60	49	-
	Stornoway ...	30.20	68	SW	3	b	30.12	-.15	63	59	+5	WSW	4	bc	4	b	11.0	72	55	-
	Wick	30.27	62	NW	1	b	30.17	-.14	65	63	+2	SE	1	b	0	b	*	65	53	-
	Nairn	30.26	74	W	0	b	30.18	-.14	69	64	+4	SW	1	b	0	b	*	83	51	-
	Aberdeen ...	30.29	63	S	2	b	30.22	-.11	70	64	-1	S	1	bcw	1	b	11.3	74	51	-
BRITISH ISLANDS.	Leith	30.30	74	W	1	b	30.25	-.09	60	59	-8	W	1	m	*	b	*	81	54	-
	Shields	30.34	67	ESE	2	bc	30.31	-.08	62	61	-6	SW	3	cm	2	bc	*	77	59	-
	Spurn Head ...	30.35	61	SE	3	b	30.34	-.05	58	57	-4	SSE	3	f	3	b, bw	*	71	58	0.01‡
	York	30.35	76	SSE	1	b	30.34	-.08	63	61	+1	S	1	b	*	b	?	81	59	-
	Loughborough ...	30.34	78	W	0	b	30.35	-.09	62	61	+6	SE	1	bmw	*	f, bcb, o	*	82	56	-
	Ardrossan ...	30.30	67	W	0	b	30.24	-.12	65	63	+4	W	0	bcfw	0	b	*	70	59	-
	Malin Head ...	30.20	75	S	4	bm	30.17	-.14	65	63	0	S	3	bm	1	bm	*	78	61	-
	Belmullet ..	30.20	73	SSW	1	b	30.15	-.13	63	60	-2	SE	2	c	*	b	*	78	58	-
	Donaghadee ...	30.30	62	SW	3	bc	30.25	-.15	61	60	-2	SSW	3	b	1	bc	*	67	55	-
	Liverpool (Bidston)	30.32	72	ESE	1	b	30.29	-.13	69	64	+5	SE	2	b	1	f, b	*	74	61	-
	Holyhead ...	30.31	62	NW	1	b	30.26	-.14	69	67	+11	SE	1	bm	1	b	*	69	52	-
	Parsonstown ...	30.28	73	NSW	1	b	30.19	-.15	65	61	+2	W	0	b	*	b	11.9	79	58	-
	Valencia ...	30.20	74	SSE	5	b	30.15	-.12	68	63	-4	ESE	1	cm	3	b	12.0	77	60	-
	Roche's Point ..	30.29	65	SE	4	b	30.21	-.18	65	62	+1	SE	4	b	3	b	*	68	60	-
	Pembroke (St. Ann's Hd.)	30.31	68	SE	3	b	30.23	-.16	66	64	+5	ESE	4	bm	3	b	11.6	70	60	-
	Scilly	30.27	66	E	3	b														
	Prawle Point ...	30.31	65	NE	3	b	30.25	-.13	67	64	-1	ENE	4	b	3	b	*	74	60	-
	Jersey (St. Aubin's)	30.28	72	ENE	3	bm	30.24	-.14	70	66	+2	E	3	bmw	3	b	*	80	63	-
	Hurst Castle ...	30.32	72	E	1	b	30.29	-.11	69	66	+2	ENE	2	bm	1	bm	*	77	64	-
	Dungeness ...	30.33	67	ENE	3	b	30.32	-.06	66	64	-1	ENE	3	b	2	b	*	73	62	-
	North Foreland	30.39	64	ENE	2	b	30.36	-.05	63	63	-4	E	2	f	2	b	*	69	61	-
	London (Brixton) ...	30.34	75	E	2	b	30.35	-.07	63	62	-5	E	1	b	*	b, o m	8.5	86	61	-
	Oxford	30.35	72	E		b	30.33	-.10	65	62	+7	SE	1	m	*	b	*	83	55	-
	Cambridge ...	30.34	78	ESE	1	b	30.36	-.07	59	59	-2	W	0	bmw	*	b	10.4	82	52	-
	Yarmouth ...	30.38	67	NE	2	b	30.36	-.04	61	60	-5	ESE	2	f	3	b	*	70	59	0.01‡
	Cuxhaven ...	30.34	61	NW	1	b	30.33	+.04	60	59	0	NW	2	0	*	b	*	63	57	-
	Berlin	30.30	59	NW	1	b	30.29	+.08	57	55	-5	NW	1	c	*	b	*	64	54	0.08
	Wiesbaden ...	*	*	*	*	*	30.34	-.04	68	64	+4	W	0	0	*	*	*	72	64	-
	Munich... ..	30.41	63	W	0	0	30.39	-.04	62	60	+2	SE	2	b	*	0	*	70	55	-
	The Helder ...	30.37	63	N	1	b	30.38	+.01	60	59	-3	ENE	1	0	?	b	*	63	59	-
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30.37	-.05	62	62	-2	NE	1	f	*	b	*	76	60	-
	Cape Gris Nez ...	?	67	E	1	m	?	?	64	62	0	E	1	m	0	m	*	72	59	-
	Paris ...	30.30	71	NE	1	b	30.28	-.11	64	61	+5	NE	2	b	*	b	*	80	59	-
	Brest ...	30.15	75	W	0	b	30.15	-.17	68	62	+5	E	2	b	1	b	*	84	61	-
	Lorient... ...	30.18	73	E	2	b	30.17	-.14	64	60	+1	E	3	bc	2	b	*	91	55	-
	Rochefort ...	30.11	84	E	3	b	30.12	-.08	65	63	+1	E	3	b	*	b	*	100	63	-
	Belfort ...	30.24	71	E	4	m	30.25	-.10	63	60	+6	ENE	6	m	*	m	*	77	57	-
	Lyons ...	30.22	73	N	1	b	30.23	-.09	55	52	-6	ESE	1	b	*	b	*	80	59	-
	Nice	30.19	72	SW	1	b	30.20	-.05	72	61	+4	W	0	b	0	b	*	81	64	-
	Perpignan ...	30.17	70	E	1	b	30.17	-.09	65	63	+4	W	1	c	*	b	*	81	56	-
	Biarritz ...	30.03	78	NNE	3	b	30.06	-.09	78	63	+11	W	0	b	0	b	*	93	66	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.08	69	NNW	3	b	30.08	-.05	70	60	+1	NE	1	b	*	b	*	82	66	-
	Azores (P. Delgada)	29.99	73	SSE	2	c	29.97	+.01	73	72	+1	SSW	4	c	4	c	*	79	72	-

For Explanation of Columns, see bottom of last page. ‡ Wet fog or dew. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

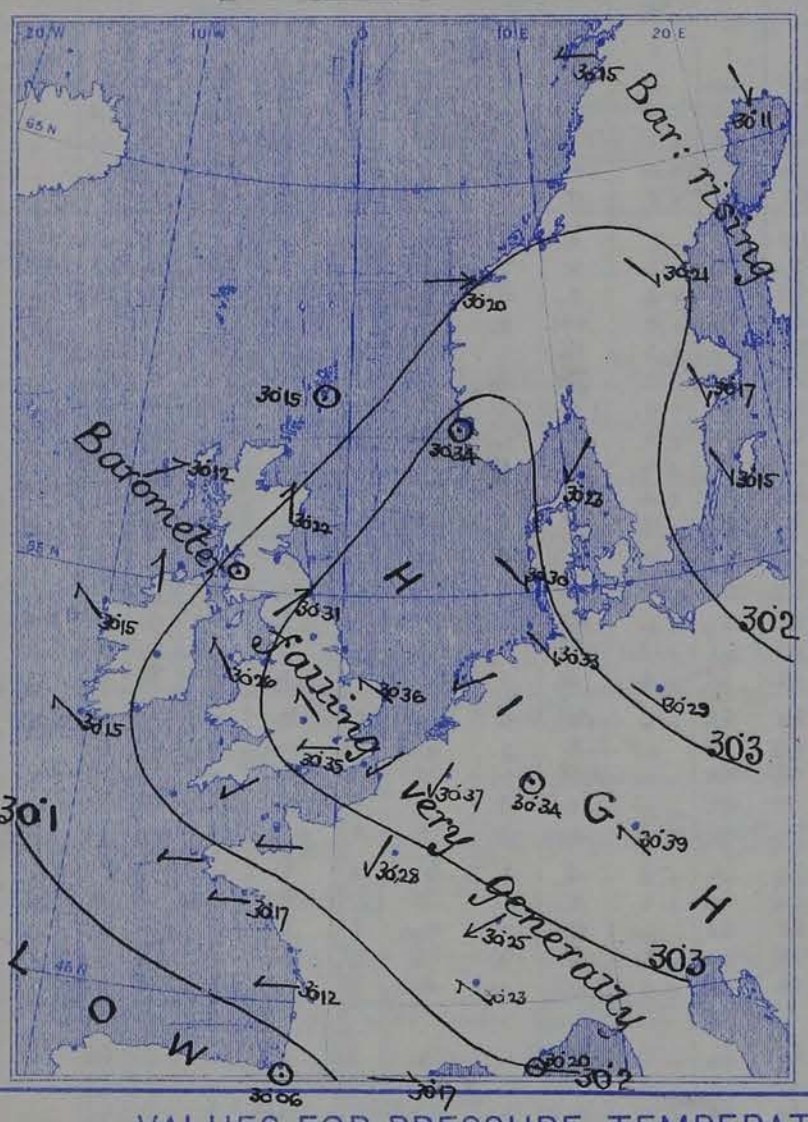
Bright Sunshine yesterday Southport 6.5 hrs;

WEATHER CHARTS

FOR Monday, 5th September, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more to 30·1 in: in a large anticyclone covering all the western, northwestern and northern parts of Europe (including the British Islands).
Lowest, 30·12 in: at Stornoway; 30·06 in: at Biarritz.
Gradients slight. Barometer still falling a little, most in the west and northwest.

TEMPERATURE

Highest, 78° at Biarritz, 70° at Jersey and Aberdeen, 69° at Liverpool and Holyhead.
Lowest, 45° at the stations in Lapland, 49° at Stockholm, 51° at Karlstad, 58° at Spurn Head.
The maxima recorded yesterday were 86° in London and above 80° over the inland parts of England and Scotland; 80° at Paris, 93° at Biarritz, 100° at Rochefort, but only 64° at Berlin.

WIND

Very light and anticyclonic over England and the North Sea; E. and moderate over the Channel, France, and the Bay of Biscay, SE. to S. over Ireland, SW. at Stornoway, W. to NW. over Scandinavia.

WEATHER

Fine generally, but haze is reported in many places.
Berlin and two stations in the northwest of Norway are the only places which measured rain this morning. Some wet mist was measured at Spurn Head and Yarmouth. Bright Sunshine recorded yesterday amounted to between 12 and 10 hrs at many of our southwestern and southern stations, at Llandudno and in Scotland.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of fine weather is probable, with very high temperatures, and "close" air.

FORECASTS

For the 24 hours ending at NOON on 6TH SEPT. 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. breezes, freshening, slight rain.	6 SCOTLAND WEST	SE. and S. breezes, moderate; fine, warm, close.
1 SCOTLAND EAST	Varying S. breezes, light; fine, warm.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	SE. breezes, moderate; fine, warm.	9 IRELAND NORTH	
4 MIDLAND COUNTIES	Same as No. 1 & 2.	10 IRELAND SOUTH	
5 ENGLAND SOUTH	E. breezes, light; fine, very warm.	WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·33	56	52	SW	1	0	1
Sumburgh Head							
Stornoway	30·25	71	62	NSW	3	b	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·26	76	70	E	1	b	0
Belmullet							*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·33	78	69	ENE	2	b	3
Hurst Castle ...							
Dungeness ...	30·37	71	65	ENE	2	b	1
North Foreland	30·41	68	65	ENE	2	b	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·16	94	79	E	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 28TH AUG: TO THE 3RD SEPT 1898.

During this week barometric pressure was as a whole much higher over the southwestern and central countries of Continental Europe, than it was over the more northern districts, and towards the end of the week, a new high pressure system coming in from the Atlantic occupied about the same position of that previously existing, and then spread northwards over the greater part of Ireland and England. In the meantime depressions were appearing in the west and northwest, and moving in a northeasterly or easterly direction, the most striking of these being one which reached the southwest of Scotland on Tuesday evening, and travelling at about 36 miles an hour arrived over the Skagerrack and Denmark by 8am on Wednesday. Thus, while a great deal of rain has fallen over the northwestern and northern parts of our area the fall over the more central districts, was comparatively slight; at about the commencement and middle part of the week, however, there were disturbances over the Mediterranean and southern Europe, causing considerable falls in those regions, but these had disappeared entirely towards the latter part of the period.

Temperature has not been nearly so high as in the preceding week, a SW^r to NW^r gale of considerable strength was felt over the British Islands and the North Sea on the night of the 30th, and over Denmark, Scandinavia and the Baltic later on.

At the close of the week quiet fine weather was again spreading over our Islands from the southward and temperature was rising decidedly.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 6th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·15	41	2	0	b	30·07	−·04	50	45	+ 5	S	2	c	*	b	*	55	34	—
	Hernösand ...	30·20	49	?	3	b	30·09	−·12	56	55	+ 11	?	4	b	*	b	*	57	32	—
	Stockholm ...	30·25	50	NW	2	c	30·16	−·01	53	50	+ 4	Z	0	0	*	c	*	59	43	—
	Wisby	30·25	50	N	4	b	30·21	+·06	55	50	+ 1	NNW	4	r	*	b	*	55	46	—
	Karlstad ...	30·24	58	S	2	b	30·17	−·04	56	54	+ 5	SSW	2	b	*	b	*	*	*	—
	Bodö	29·95	48	E	4	r	29·91	−·24	51	50	+ 6	NNE	1	r	1	r	*	51	43	079
	Christiansund ...	30·13	58	W	1	0	30·16	−·04	55	54	+ 1	W	3	m	4	0	*	66	50	004
	Skudesnaes ...	29·94	58	Z	0	b	30·25	−·09	56	56	+ 4	SSE	2	f	1	b	*	59	52	*
	Færder (Christiania Fjord)	30·20	59	SSW	2	0	30·16	−·06	57	57	+ 2	NE	1	f	1	0	*	61	55	—
	Skagen (The Scaw)	30·26	60	SW	1	c	30·20	−·02	61	59	+ 3	WNW	1	b	0	c	*	70	55	—
	Fanö	30·30	57	NW	1	b	30·31	+·01	57	56	− 2	NW	2	0	*	b	*	66	55	—
BRITISH ISLANDS.	Sumburgh Head .	30·13	62	W	1	b	30·05	−·10	57	57	− 1	Z	0	m	2	b	*	69	53	—
	Stornoway ...	30·09	67	SW	4	c	30·00	−·12	64	62	+ 1	SW	2	c	2	b, c	9·0	71	55	—
	Wick	30·16	70	E	1	b	30·07	−·10	66	63	+ 1	S	1	c	0	b	*	78	55	—
	Nairn	30·12	75	Z	0	b	30·07	−·11	67	65	− 2	Z	0	b	0	b	*	83	60	—
	Aberdeen ...	30·17	69	SSW	2	bcm	30·11	−·11	70	65	0	SSW	1	bcmw	1	b, bc	9·5	78	55	—
	Leith	30·19	74	W	1	c	30·12	−·13	63	61	+ 3	W	1	om	*	c	*	79	58	—
	Shields	30·21	71	SE	2	m	30·17	−·14	62	61	0	SSW	3	om	2	bc, m	*	71	60	—
	Spurn Head ...	30·25	59	ESE	4	f	30·22	−·12	60	59	+ 2	SE	4	o	4	f	*	62	58	0·01
	York	30·26	75	ESE	2	b	30·23	−·11	60	59	− 3	S	1	o	*	b	10·3	80	57	—
	Loughborough ...	30·25	77	SE	1	b	30·22	−·13	62	61	0	SE	1	ogmw	*	bc, b, om	*	83	60	—
	Ardrossan ...	30·15	69	W	1	bc	30·07	−·17	68	66	+ 3	Z	0	cfw	0	b, bc	*	76	63	—
	Malin Head ...	30·09	72	S	1	cgm	29·98	−·19	68	66	+ 3	SE	3	bm	2	bc, cgm	*	77	64	—
	Belmullet ...	30·07	71	S	1	0	29·91	−·24	67	63	+ 4	S	4	b	*	0	*	74	60	—
	Donaghadee ...	30·17	62	SSE	3	bc	30·07	−·18	64	63	+ 3	SSE	5	bc	3	bc	*	68	57	—
	Liverpool (Bidston)	30·21	75	SE	2	b	30·15	−·14	63	62	− 6	SE	3	o	?	bm	*	78	66	—
	Holyhead ...	30·19	71	SW	1	bc	30·08	−·18	70	68	+ 1	SE	1	bw	0	b, bc	*	77	61	—
	Parsonstown ...	30·10	75	SE	1	b	?30·03	−·16	66	63	+ 1	SE	1	c	*	b	11·3	78	60	—
	Valencia ...	30·03	76	SE	4	bm	29·94	−·21	64	62	− 4	SSE	5	bcm	4	bcm, bm	10·7	79	63	—
	Roche's Point ..	30·13	66	SE	4	b	30·03	−·18	64	63	− 1	SSE	3	m	3	b	*	70	62	—
	Pembroke (St. Ann's Hd.)	30·20	71	SE	3	b	30·07	−·16	64	63	− 2	SE	4	bmw	3	b	11·0	71	62	—
	Scilly	30·14	66	ESE	4	b	30·04		65	64		? E	2	m	1	b	11·2	70	62	—
	Prawle Point ...	30·25	65	ENE	4	b	30·11	−·14	69	66	+ 2	ENE	2	b	2	b	*	72	63	—
	Jersey (St. Aubin's)	30·16	76	E	3	bm	30·11	−·13	74	68	+ 4	E	2	bmw	2	bm	*	80	66	—
	Hurst Castle ...	30·20	73	E	3	bm	30·15	−·14	69	67	0	E	3	bm	2	bm	*	77	65	—
	Dungeness ...	30·23	63	ENE	5	f	30·18	−·14	61	61	− 5	ENE	4	f	3	b, f	*	69	60	—
	North Foreland	30·29	62	ENE	4	f	30·22	−·14	64	62	+ 1	E	3	b	3	f	*	64	61	—
	London (Brixton) ...	30·27	66	E	3	c	30·20	−·15	64	63	+ 1	E	2	og	*	c, b, og	6·4	80	62	—
	Oxford	30·24	69	SE	2	b	30·20	−·13	63	62	− 2	ESE	2	o	*	b	*	79	61	—
	Cambridge ...	30·27	75	SE	1	b	30·23	−·13	65	63	+ 6	SE	1	o	*	b	11·8	82	58	—
	Yarmouth ...	30·30	61	ESE	4	f	30·24	−·12	63	61	+ 2	ESE	3	b	3	b, f	*	63	59	0·01
GERMANY & HOLLAND.	Cuxhaven ...	30·32	61	NW	2	c	30·32	−·01	59	57	− 1	N	1	o	*	c	*	63	57	—
	Berlin	30·26	60	W	3	o	30·32	+·03	56	55	− 1	NW	1	o	*	o	*	64	54	—
	Wiesbaden ...	*	*	*	*	*	30·30	−·04	60	58	− 8	SE	2	b	*	*	*	75	55	—
	Munich... ..	30·35	63	SW	1	b	30·34	−·05	55	54	− 7	E	1	b	*	b	*	73	48	—
	The Helder ...	30·34	63	ENE	1	b	30·30	−·08	58	56	− 2	E	1	c	1	b	*	66	55	—
BELGIUM.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez...	?	65	E	2	m	?	?	60	60	− 4	SE	2	m	1	m	*	75	57	—
	Paris	30·20	74	ENE	2	b	30·17	−·11	64	62	0	NE	1	b	*	b	*	84	60	—
	Brest	30·10	74	NW	1	b	30·06	−·09	64	62	− 4	Z	0	b	1	b	*	86	61	—
	Lorient... ...	30·10	73	E	1	bc	30·07	−·10	65	63	+ 1	ESE	2	bc	2	bc	*	91	63	—
FRANCE &	Rochefort ...	30·06	78	NNE	2	b	30·05	−·07	66	66	+ 1	S	2	m	*	bc, b	*	91	63	—
	Belfort	30·21	72	ENE	5	m	30·23	−·02	62	60	− 1	ENE	5	m	*	m	*	78	56	—
	Lyons	30·15	77	NNE	1	b	30·16	−·07	64	61	+ 9	SE	1	b	*	b	*	84	55	—
	Nice	30·14	74	Z	0	b	30·14	−·06	74	59	+ 2	Z	0	b	0	b	*	86	66	—
	Perpignan ...	30·15	70	NE	2	b	30·16	−·01	66	66	+ 1	SW	2	o	*	b	*	77	59	—
	Biarritz ...	30·06	72	W	4	c	30·07	+·01	68	65	− 10	ESE	2	o	2	c, m	*	78	66	—
PENIN-SULA.	Corunna ...																*			
	Lisbon	30·01	80	NNE	3	b	30·02	−·06	68	65	− 2	NE	3	bc	*	b	*	86	66	—
	Azores (P. Delgada.)	29·99	72	NNE	3	0	30·04	+·07	70	65	− 3	NNE	2	c	2	0	*	79	70	0·08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 10·6 hrs;

WEATHER CHARTS

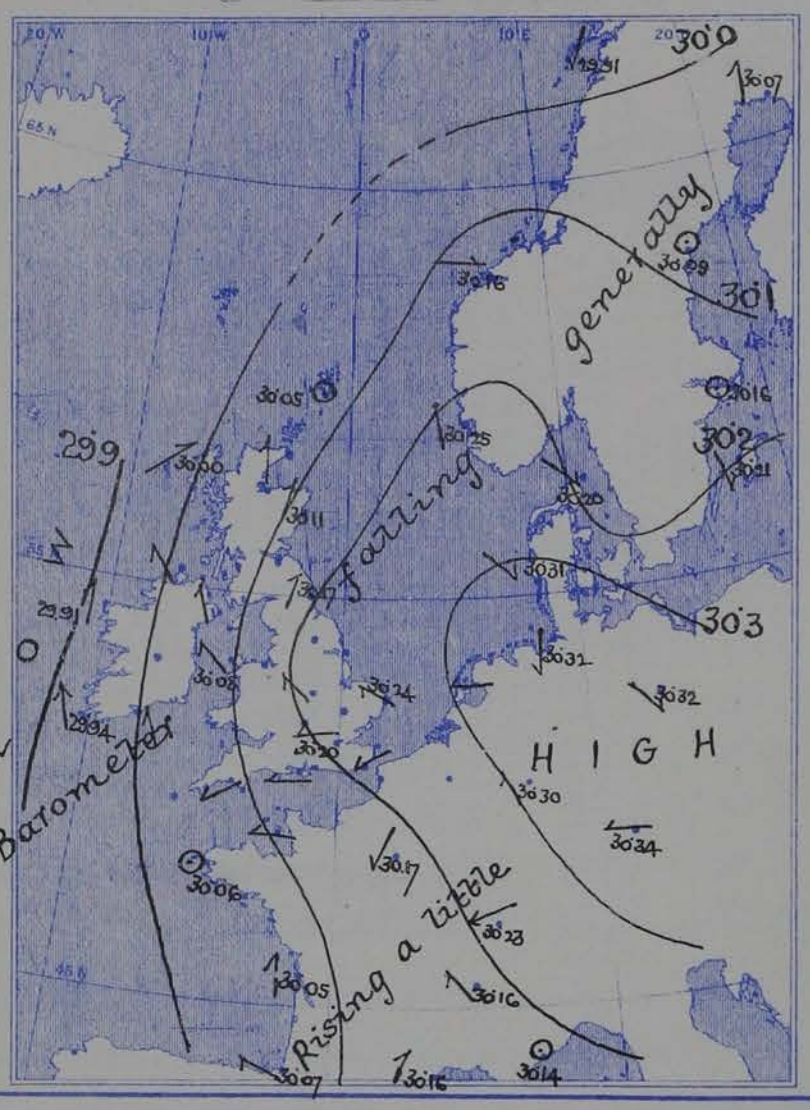
FOR Tuesday, 6th September, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟹ ; *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ⟹ ; *Force 1 to 4* ⟶ ; }

SEA—Rough ▤ : *High* ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.*

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and upwards over Germany and the S. of Denmark; 30.1 ins. and upwards in an anticyclone covering the greater part of W^rn. Europe.
Lowest 29.4 ins. and less (apparently) in a depression lying to the W^wd. of our Islands.
Gradients slight. Barometer falling generally, but rising a little over the central & S^rn. parts of France.

TEMPERATURE

Highest 74° at Jersey and Nice, 70° at Aberdeen and Holyhead, 69° at Prawle Pt. & Hurst Castle, and 68° at Ardrossan, Malin Hd. Biarritz and Lisbon.
Lowest 50° at Haparanda, 51° at Bodo, and 53° at Stockholm; lowest in our islands 57° at Tumburgh Hd., and 60° at York and Spurn Hd.
During yesterday the thermometer rose to between 75° and 80° in most parts of the United Kingdom, to 82° at Cambridge and to 83° at Nairn and Loughborough.

WIND

Light from the E^wd. or SE^wd. over the greater part of England, France, the Netherlands & W^rn. Germany.
Moderate to fresh from the SE^wd. or S^wd. in Ireland; light from S. or SW. in Scotland.
Variable in Scandinavia; light from the NW^wd. in Denmark and N. Germany.

WEATHER

Fine over W^rn. Europe as a whole, but dull and hazy over the more N^rn. and central parts of England, and foggy in the Straits of Dover, as well as on the S. coasts of Norway.
Rain falling at Bodo and also at Wisley.
Rain fell yesterday on the W. coasts of Norway, but in all other parts of our area the weather remained dry. At Spurn Head and Yarmouth, however, a measurable quantity of water was deposited by the fog which prevailed throughout the greater part of the day.

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone recently noticed over W^rn. Europe is moving away to the E^wd.; and depressions are beginning to appear off our own W^rn. coasts. Unsettled weather is likely to set in shortly over Ireland and the W. of Scotland, but over England the conditions will probably remain fine and dry for the present.

FORECASTS

For the 24 hours ending at NOON on 7th. SEPT. 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly. and SW^ly. winds, freshening; fair at first, some rain later.	6 SCOTLAND WEST	S^ly. winds, light or moderate; fine at first, some rain later.
1 SCOTLAND EAST 2 ENGLAND N.E.	S^ly. and SE^ly. winds, light; fine, warm.	7 ENGLAND N.W. 8 ENGLAND S.W.	S^ly. and SE^ly. winds, light or moderate; fair, warm.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E^ly. and SE^ly. winds, light; fine generally, but misty or foggy in places.	9 IRELAND NORTH 10 IRELAND SOUTH	SE^ly. and S^ly. winds, fresh or strong; fair at first, some rain later, thunder locally.
		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·33	59	59	2	0	b	1
Sumburgh Head	30·14	65	62	W	2	b	2
Stornoway	30·12	71	64	SW	4	b	4
Aberdeen	30·18	77	67	S	2	b	2
Shields	30·25	76	69	SE	2	bc	2
Ardrossan	30·19	70	69	WSW	2	b	0
Malin Head ...	30·15	69	67	E	1	bc	1
Belmullet	30·11	73	65	S	1	o	*
Holyhead	30·23	77	72	S	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·09	78	68	SSE	3	bcw	3
Scilly	30·15	68	65	ESE	3	b	2
Jersey	30·20	80	72	ESE	3	bw	3
Hurst Castle ...	30·25	77	68	E	3	bw	2
Dungeness ...	30·28	67	64	ENE	4	b	3
North Foreland	30·33	63	63	ENE	2	f	2
London (Westminster)	30·29	75	67	E	3	bc	*
Yarmouth ...	30·34	63	61	ESE	3	b	3
Rochefort ...	30·12	81	75	NE	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the greater part of our Islands and the Continent, but foggy on the east coasts of England, and also in the W. of Norway. Dull in Germany, as well as in the central parts of Russia, with rain at St. Petersburg. Rain falling later in the W. of Norway, but weather remaining dry in all other parts of Wn. Europe; much fog reported on the E. and SE. coasts of England.

Temperature rises in France and falls in the Netherlands, Germany and Austria but changed very irregularly elsewhere. Morning readings highest 79° at Sanguinaire, 78° at Biarritz, 76° at Barcelona and 74° at Algiers; above 70° at the Mediterranean and Adriatic stations generally; just touching that point at Aberdeen, above 65° in many parts of the United Kingdom. Lowest 40° at Moscow and Kharkov, 42° at Lemberg, and 43° at Ulleaborg and Kiev. Rising during day to between 75° and 80° in nearly all parts of the United Kingdom, to 82° at Cambridge, and to 83° at Nairn and Loughborough. Exceeding 85° in the W. and S. of France, and reaching 91° at Lorient and Rochefort.

Wind light from the Ewd. over France, the Netherlands and the southern parts of the United Kingdom, but from the Swd. or SWwd. on our northern coasts. Nly. or NWly. over Sweden, Denmark and the western and southern parts of Russia; light and variable over the greater part of central and southern Europe. No important change occurring during day.

Barometer highest 30.3 ins. and upwards over the North Sea, Germany, the Netherlands and the Em. and central parts of England, 30.1 ins. and upwards in a large anticyclone embracing all but the Em. parts of the Continent. Lowest 29.5 ins. and less in a well marked depression over central Russia. Anticyclone moving slowly Ewd. during day and barometer falling in all parts of Wn. Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 7th Sept. 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.45	50	SSW	2	r	29.96	-.11	50	49	0	NNW	2	0	*	r	*	54	36	0.12
	Hernösand ...	30.04	72	Z	0	b	30.07	-.02	59	54	+3	WNW	6	bc	*	b	*	66	45	0.04
	Stockholm ...	30.11	59	Z	0	b	30.08	-.08	61	58	+8	N	4	b	*	b	*	70	45	-
	Wisby	30.06	57	NNW	4	b	30.08	-.13	59	57	+4	N	2	b	*	b	*	61	46	-
	Karlstad ...	30.10	59	W	1	b	30.12	-.05	57	56	+1	N	2	0	*	b	*	*	*	-
	Bodö	30.03	51	NSW	6	r	30.11	+.20	49	48	-2	NW	4	0	2	r	*	52	48	0.24
	Christiansund ...	30.13	57	Z	0	m	30.08	-.08	59	57	+4	NE	2	m	3	m	*	59	55	-
	Skudesnaes ...	30.24	57	SW	2	f	30.15	-.10	55	55	-1	SW	2	f	2	f	*	57	54	*
	Færder (Christiania Fjord)	30.10	60	SW	2	m	30.15	-.01	59	59	+2	NNE	1	m	1	m	*	61	57	-
	Skagen (The Scaw)	30.11	58	NW	3	f	30.17	-.03	60	59	-1	NW	2	m	0	f	*	66	57	-
	Fanö	30.22	55	NNW	2	b	30.18	-.13	54	54	-3	Z	0	f	*	b	*	61	50	-
BRITISH ISLANDS.	Sumburgh Head	29.99	58	Z	0	c	29.90	-.15	54	54	-3	S	1	f	2	o.c.f	*	66	52	-
	Stornoway ...	29.85	68	Z	0	bc	29.84	-.16	62	60	-2	SW	4	c	4	c.bq	6.8	70	58	-
	Wick	29.94	68	S	1	b	29.91	-.16	68	65	+2	S	2	bc	0	b	*	71	59	-
	Nairn	29.90	76	W	1	b	29.91	-.16	69	66	+2	Z	0	c	0	b	*	82	60	-
	Aberdeen ...	30.01	60	S	3	c	29.98	-.13	70	66	0	SW	2	bcw	1	c	1.8	71	55	-
	Leith	29.98	75	NSW	1	c	29.98	-.14	65	62	+2	Z	0	m	*	c	*	83	58	-
	Shields	30.08	62	SSE	2	cm	30.03	-.14	59	58	-3	SSW	3	m	2	c.cm	*	70	57	-
	Spurn Head ...	30.10	60	SE	4	c	30.06	-.16	58	58	-2	SSE	3	f	3	c.f	*	64	55	-
	York	30.10	70	ESE	2	b	30.06	-.17	59	57	-1	SE	1	b	*	o.c	3.8	75	54	-
	Loughborough ...	30.08	77	SE	1	b	30.07	-.15	59	57	-3	ESE	1	bmw	*	omc.bm	*	82	53	-
	Ardrossan ...	29.96	70	S	1	cm	29.97	-.10	66	64	-2	Z	0	of	0	bc.cm	*	77	60	-
	Malin Head ...	29.85	71	SSW	3	bm	29.89	-.09	62	61	-6	S	4	c	2	b.bm	*	78	61	-
	Belmullet ...	29.87	71	S	3	b	29.88	-.03	63	62	-4	SW	5	b	*	b	*	71	61	0.02
	Donaghadee ...	29.95	62	SSE	5	bc	30.01	-.06	59	59	-5	SE	3	f	1	bc	*	66	57	0.03
	Liverpool (Bidston)	30.04	72	SE	2	b	30.02	-.13	67	64	+4	SE	2	b	?	bm	*	75	61	-
	Holyhead ...	30.03	63	SW	2	f	30.02	-.06	61	61	-9	SE	1	f	0	b.f	*	77	57	-
	Parsonstown ...	29.95	72	SE	2	b	29.95	-.08	65	63	-1	SW	1	f	*	b	10.1	76	62	0.01
	Valencia ...	29.93	65	S	4	ogmp	29.93	-.01	63	62	-1	S	2	0	4	bcmmp	4.5	72	60	0.02
	Roche's Point ..	30.02	64	SSW	3	m	29.99	-.04	64	64	0	SW	3	f	3	m	*	68	62	0.01
	Pembroke (St. Ann's Hd.)	30.05	63	W	3	f	30.02	-.05	61	61	-3	E	3	f	3	b.f	9.7	64	58	-
	Scilly	30.05	67	SW	1	b	30.02	-.02	64	63	-1	S	1	m	4	b	8.6	71	62	-
	Prawle Point ...	30.06	65	ENE	2	b	30.05	-.06	66	65	-3	N	2	c	2	b	*	74	60	-
	Jersey (St. Aubin's)	30.03	81	ENE	2	bm	30.04	-.07	69	67	-5	ESE	1	bcf	1	b.bm	*	83	65	-
	Hurst Castle ...	30.07	71	E	1	bm	30.05	-.10	66	63	-3	NE	1	bcm	1	bc.bm	*	77	62	-
	Dungeness ...	30.08	65	ENE	4	m	30.07	-.11	68	65	+7	Z	0	bc	0	m	*	69	61	-
GERMANY & HOLLAND.	North Foreland	30.12	63	NE	3	b	30.07	-.15	65	64	+1	E	2	b	1	c.b	*	65	61	-
	London (Brixton) ...	30.11	65	E	2	bm	30.08	-.12	62	61	-2	E	1	o	*	b.bm.f	6.4	82	61	-
	Oxford	30.09	70	SE	2	b	30.07	-.13	60	60	-3	SE	1	f	*	b	*	82	58	-
	Cambridge ...	30.11	70	ESE	2	b	30.09	-.14	59	58	-6	Z	0	fw	*	b	8.1	83	56	-
	Yarmouth ...	30.15	60	ESE	4	c	30.07	-.17	64	62	+1	ESE	1	bw	2	bc.c	*	64	53	-
	Cuxhaven ...	30.26	59	N	1	b	30.18	-.14	56	55	-3	Z	0	b	*	b	*	63	54	-
	Berlin	30.21	65	W	1	b	30.14	-.18	59	56	+3	NW	3	b	*	b	*	70	54	-
	Wiesbaden ...	*	*	*	*	*	30.20	-.10	58	56	-2	Z	0	b	*	*	*	73	54	-
	Munich... ..	30.27	60	Z	0	b	30.27	-.07	54	53	-1	SE	1	b	*	b	*	72	46	-
	The Helder ...	30.21	65	E	1	b	30.16	-.14	67	64	+9	SE	1	b	0	b	*	66	57	-
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30.12	-.12	66	61	+10	SE	3	b	*	b	*	75	55	-
	Cape Gris Nez...	?	66	ESE	2	m	?	?	72	65	+2	E	1	m	0	m	*	75	59	-
	Paris	30.08	75	ENE	2	b	30.09	-.08	64	62	0	NE	2	b	*	b	*	86	59	-
	Brest	30.07	66	N	2	b	30.03	-.03	61	60	-3	N	1	c	1	b	*	77	52	-
	Lorient... ...	30.05	71	W	2	bc	30.05	-.02	61	61	-4	SE	1	f	2	bc	*	?	61	-
	Rochefort ...	30.04	68	NW	2	b	30.04	-.01	66	64	0	E	2	b	*	b	*	81	63	-
	Belfort	30.12	72	ENE	4	m	30.15	-.08	62	59	0	E	3	m	*	m	*	79	57	-
	Lyons	30.06	81	SSE	1	b	30.14	-.02	67	57	+3	SE	1	b	*	b	*	89	61	-
	Nice	30.12	71	SW	2	bc	30.12	-.02	70	61	-4	E	1	b	1	bc	*	84	66	-
	Perpignan ...	30.08	73	NE	1	b	30.13	-.03	63	62	-3	W	1	0	*	b	*	79	59	-
	Biarritz ...	29.99	72	NNE	2	b	30.00	-.07	63	63	-5	E	2	m	2	b	*	77	63	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.01	73	Z	0	b	30.06	+.02	68	65	-2	S	2	m	*	b	*	84	64	-
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

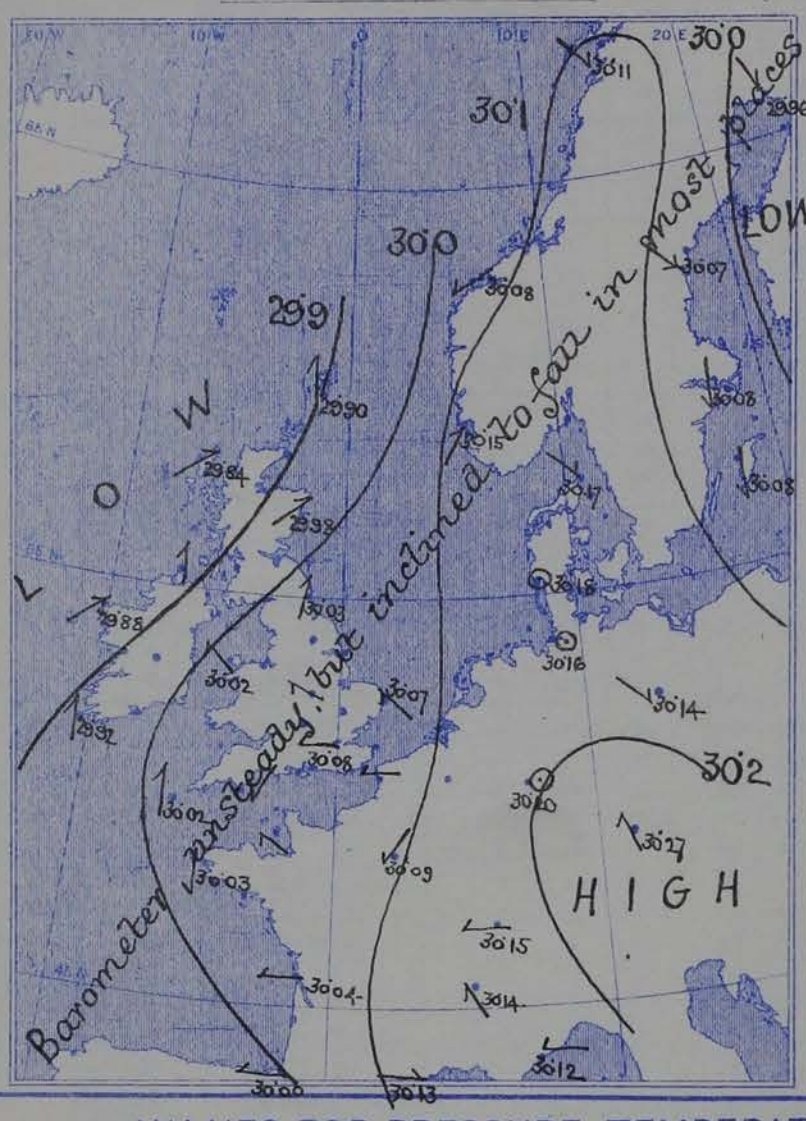
Bright Sunshine yesterday Southport 6.5 *hrs;*

WEATHER CHARTS

FOR Wednesday, 7th Septr 1898

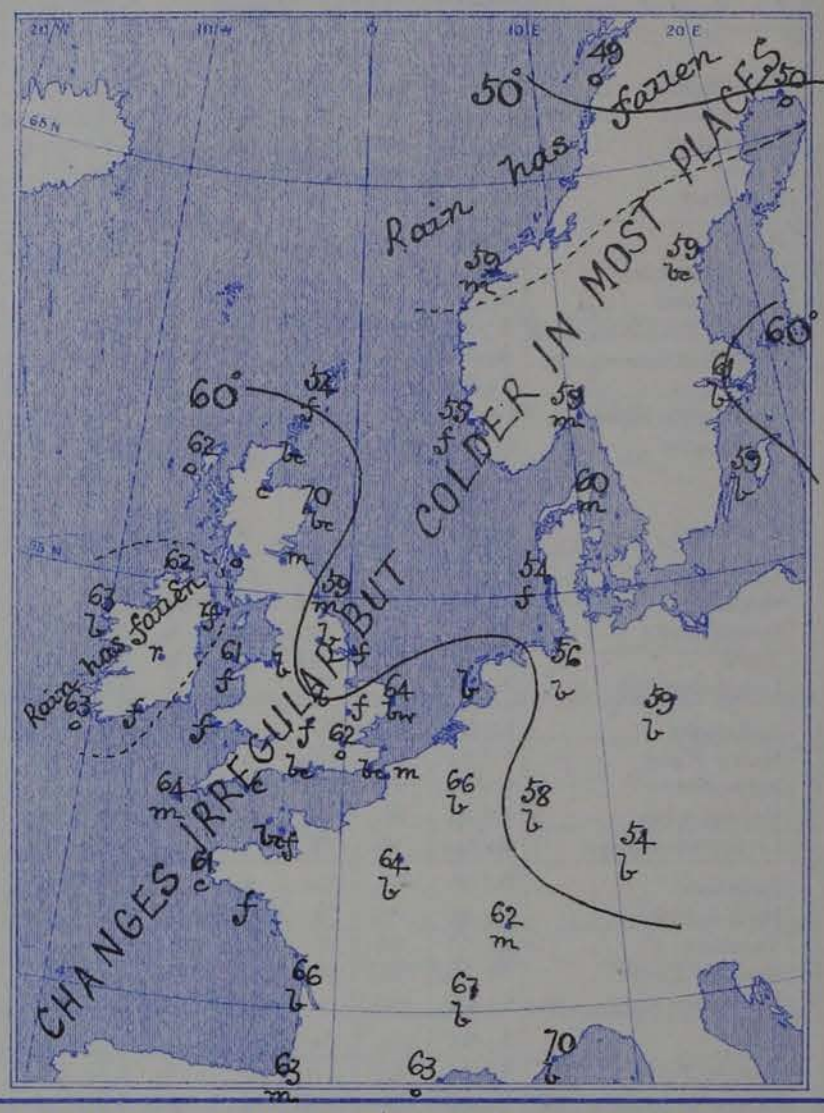
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟹ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ➔ ; *Force 1 to 4* → ; Calm ⊙
SEA—Rough ▒ ; *High* ▓



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards, over the southern parts of Germany; 30·1 in: and upwards in an anticyclone lying over the western and central parts of the Continent generally.
Lowest, 29·9 in: and less, in a shallow area lying off our extreme northwestern and northern coasts.
Gradients slight. Barometer rather unsteady, but inclined to fall in most places.

TEMPERATURE

Highest, (1) 70° at Aberdeen, 69° at Nairn, and 68° at Wick; (2) 70° at Nice; (3) 69° at Jersey and 68° at Dumfries.
Lowest, 49° at Bodö, 50° at Haparanda, 54° at Lerwick Shad, Fano and Munich, and 55° at Skudenaes.
During yesterday the thermometer rose to 80° and upwards in several parts of Great Britain, and to 83° at Leith, Jersey and Cambridge.

WIND

Light from the E. or NE. in France and the south of England, but from the SE. over the northern and central parts of England.
Light to moderate from the S. or SW. in Ireland and the north of Scotland, calm in the south of Scotland.
N. or NW. at most of the Scandinavian stations, and strong in force at Hernösand, variable in Germany.

WEATHER

Fair over Western Europe as a whole, but with fog or mist in many places. A solar halo is visible at Jersey.
Cloudy in Ireland and the west of Scotland, with rain at Donaghadee and Parsonstown.
Since yesterday morning slight rain has fallen at most of the Irish stations, and also in the northern parts of Scandinavia. In all other parts of our area the weather has remained very dry.

SEA

Slight or smooth generally, but moderate at Stornoway, Valencia (Ireland) and Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression noticed yesterday off our western coasts is moving northwards, but another disturbance is apparently advancing towards the southwest of Ireland. Unsettled weather seems likely to spread shortly to Scotland, but over England no important change is anticipated at present.

FORECASTS

For the 24 hours ending at NOON on 8TH SEPT: 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S. and SW. winds, moderate; fine at first, some rain later, possibly thunder.
2 ENGLAND N.E.	S. and SE. winds, light; fine generally, but some fog or mist.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E. winds, light; fair, close, misty or foggy in places.
6 SCOTLAND WEST	S. winds, light or moderate; cloudy, some rain, possibly thunder.
7 ENGLAND N.W. 8 ENGLAND S.W.	Same as No 2.
9 IRELAND NORTH 10 IRELAND SOUTH	S. winds, moderate or fresh; changeable, some rain, thunder locally.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·23	57	56	S	4	f	2
Sumburgh Head	30·04	63	61	Z	0	o	1
Stornoway	29·93	69	64	S	2	c	2
Aberdeen	30·07	63	60	S	3	c	2
Shields	30·13	67	64	SW	3	c	2
Ardrossan	29·99	71	68	SW	3	bem	1
Malin Head ...	29·84	78	73	SE	5	b	2
Belmullet	29·87	71	65	S	3	b	*
Holyhead	30·04	76	72	SSW	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·92	71	65	S	4	bem	4
Scilly	30·04	69	65	W	1	b	0
Jersey	30·07	80	71	SE	2	b	2
Hurst Castle ...	30·09	76	67	ESE	4	bm	3
Dungeness ...	30·13	68	64	ENE	4	m	3
North Foreland	30·18	63	61	ENE	4	c	4
London (Westminster)	30·13	76	68	ESE	3	b	*
Yarmouth ...	30·21	61	59	ESE	4	bc	3
Rochefort ...	30·07	77	64	SSW	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over Europe as a whole, but with mist or fog in several of the northwestern countries; dull over northern and central England. Dull also over Russia, north Germany, and the Baltic, with rain at Hiaby and Nicolaieff. A little rain falling later at most of the Irish stations and also over the northern parts of Scandinavia; weather remaining very dry in all other parts of Western Europe.

Temperature changed very irregularly in the western and southern countries, but fallen in Germany and risen in Russia and Scandinavia. Morning readings highest (1) 82° at Sanguinaire, 77° at Barcelona and 75° at Patras; (2) 74° at Jersey; (3) 70° at Aberdeen and Holyhead, above 65° at many of our own western, northern, and southern stations. Lowest 41° at Kiev, 42° at Moscow, 43° at Kharkov, and 45° at Lemberg. Rising during day to 80° and upwards in many parts of Great Britain, and to 83° at Leith, Jersey, and Cambridge; exceeding 85° at some of the central and southern stations in France.

Light from the E^ly or SE^ly over the greater part of England, France, the Netherlands and Western Germany; moderate to fresh from the SE^ly or S^ly in Ireland, light from S. or SW in Scotland. Variable in Scandinavia; N' or NW' over the greater part of Central Europe and also in Italy, but S' or SW' in the south of Russia. Subsequently veering to the SW^ly at some of the Irish stations; no important change occurring elsewhere.

Barometer highest 30·3 in. and upwards over Germany and the south of Denmark; 30·1 in. and upwards, in an anticyclone embracing the greater part of Europe. Lowest 29·7 in. and less, in a well marked depression over Central Russia; 29·9 in. and less, in a shallow area off the west of Ireland. Anticyclone moving slowly eastwards during day, and barometer falling in all parts of Western Europe; low pressure system off our western coast travelling northwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 8th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30.06	46	W	0	b	30.15	+.19	45	44	-5	N	2	b	*	b	*	63	36	-
	Hernösand ...	30.06	51	W	0	c	30.13	+.06	53	50	-6	NE	2	c	*	c	*	70	48	-
	Stockholm ...	30.11	61	W	0	b	30.05	-.03	62	59	+1	SSE	2	m	*	b	*	68	55	-
	Wisby	30.14	56	NNE	4	b	30.10	+.02	59	58	0	WSW	2	b	*	b	*	61	50	-
	Karlstad ...	30.11	59	S	2	b	30.09	-.03	55	54	-2	SSW	2	f	*	b	*	*	*	-
	Bodö	30.13	49	NE	1	b	30.08	-.03	49	45	0	E	4	b	1	b	*	50	45	-
	Christiansund ...	30.10	55	W	0	f	30.06	-.02	55	54	-4	NE	1	f	2	f	*	68	54	-
	Skudesnaes ...	30.14	56	S	2	o	30.06	-.09	55	54	0	SE	2	f	2	c.o	*	57	52	*
	Færder (Christiania Fjord)	30.11	61	S	2	b	30.09	-.06	56	56	-3	W	0	f	1	b	*	63	54	-
	Skagen (The Scaw)	30.16	58	WSW	2	f	30.14	-.03	58	57	-2	SW	2	b	0	f	*	68	52	-
	Fanö	30.17	57	W	0	b	30.14	-.04	61	60	+7	SW	2	b	*	b	*	70	54	-
BRITISH ISLANDS.	Sumburgh Head	29.94	57	W	0	o	29.82	-.08	55	55	+1	W	0	rf	2	c,o	*	65	52	0.01
	Stornoway ...	29.84	63	SE	3	c	29.78	-.06	57	56	-5	WSW	3	r	3	c	5.9	67	55	0.03
	Wick	29.87	61	S	5	c	29.81	-.10	65	63	-3	SW	4	c	1	c,l	*	73	57	-
	Nairn	29.87	71	W	0	c	29.82	-.09	63	60	-6	W	0	c	1	c.l	*	77	55	-
	Aberdeen ...	29.95	61	SSE	3	og	29.86	-.12	64	61	-6	S	3	bcw	2	bc.ol	4.8	74	56	-
	Leith	29.92	68	SSW	1	c	29.89	-.09	65	60	0	W	0	c	*	c	*	76	60	0.04
	Shields	29.97	61	E	2	o	29.97	-.06	60	59	+1	W	1	op	2	bcm, tlr	*	72	57	-
	Spurn Head ...	29.99	64	SSE	3	c	29.99	-.07	65	63	+7	ESE	3	c	3	f,c	*	66	58	-
	York	29.99	76	SSE	1	bc	29.98	-.08	65	64	+6	S	1	f	*	b.c	7.0	81	57	-
	Loughborough ...	30.01	76	SE	1	o	30.01	-.06	66	64	+7	SE	1	om	*	b bcm	*	86	59	-
	Ardrossan ...	29.91	65	SW	1	cm	29.92	-.05	60	59	-6	SW	2	o	2	bcm.cm	*	70	59	-
	Malin Head ...	29.85	68	W	1	bcm	29.86	-.03	57	57	-5	WSW	2	c	1	bcm	*	68	57	0.19
	Belmullet ...	29.92	62	S	5	o	29.92	+.04	60	56	-3	W	1	b	*	c.o	*	65	50	0.39
	Donaghadee ...	29.92	62	SW	3	m	29.94	-.07	59	59	0	SW	3	r	1	m	*	64	55	0.01
	Liverpool (Bidston)	29.99	64	WSW	1	c	29.98	-.04	64	63	-3	NE	1	c	0	cm	*	79	61	0.01
	Holyhead ...	29.99	60	SSW	2	cf	29.99	-.03	61	61	0	SSW	3	rf	2	cf	*	67	59	0.07
	Parsonstown ...	29.91	68	SW	1	b	29.92	-.03	62	61	-3	W	0	o	*	b,r	4.6	73	59	0.44
	Valencia ...	29.99	65	S	4	c	29.93	.00	61	60	-2	W	0	o	2	c,tlr	5.1	68	59	0.55
	Roche's Point ..	29.98	65	SW	3	c	29.97	-.02	63	62	-1	S	3	o	3	f,c,l	*	68	61	-
	Pembroke (St. Ann's Hd.)	30.01	62	W	2	f	29.99	-.03	61	60	0	S	2	f	3	f	0.0	64	60	-
	Scilly	30.01	66	S	1	c	29.98	-.04	64	64	0	SSE	1	fw	3	o,c	0.0	69	60	-
	Prawle Point ...	30.03	66	ENE	1	c	29.99	-.06	67	63	+1	ENE	2	b	1	c	*	75	63	-
	Jersey (St. Aubin's)	30.03	75	W	0	bc	30.02	-.02	71	67	+2	E	2	bcm	2	cm, bc	*	79	65	-
	Hurst Castle ...	30.04	70	SSE	1	cm	30.02	-.03	70	67	+4	ESE	1	bcm	1	bcm	*	78	61	-
	Dungeness ...	30.05	69	ENE	1	bc	30.05	-.02	70	65	+2	ESE	1	bc	1	c,bc	*	74	63	-
	North Foreland	30.07	69	SE	2	c	30.06	-.01	72	68	+7	SSE	2	b	1	c	*	74	65	-
	London (Brixton) ...	30.05	80	W	0	bc	30.04	-.04	69	66	+7	SE	1	cm	*	f,b,bcm	2.0	87	60	-
	Oxford	30.03	76	S	2	o	30.01	-.06	72	66	+12	SE	2	bc	*	c,o	*	85	59	-
	Cambridge ...	30.03	78	W	0	cm	30.04	-.05	69	66	+10	W	0	b	*	cm	6.3	87	58	-
	Yarmouth ...	30.05	66	SSE	2	b	30.05	-.02	66	64	+2	SSE	1	b	1	b	*	68	62	-
GERMANY & HOLLAND.	Cuxhaven ...	30.17	64	W	0	b	30.15	-.03	60	59	+4	SSE	1	b	*	b	*	68	55	-
	Berlin	30.18	64	W	0	b	30.22	+.08	57	55	-2	W	0	b	*	b	*	68	54	-
	Wiesbaden ...	*	*	*	*	*	30.15	-.05	59	57	+1	W	0	b	*	*	*	77	55	-
	Munich... ..	30.23	63	W	0	b	30.27	.00	58	55	+4	SE	2	b	*	b	*	75	50	-
	The Helder ...	30.08	68	W	0	b	30.08	-.08	68	65	+1	SE	1	b	0	b	*	77	63	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.10	-.02	73	65	+7	SSE	1	b	*	b	*	89	62	-
	Cape Gris Nez...	?	75	E	1	m	?	?	75	67	+3	S	1	b	0	m	*	81	70	-
	Paris	30.06	77	ENE	1	b	30.10	+.01	63	62	-1	W	0	b	*	b	*	87	59	-
	Brest	30.02	67	WSW	1	c	30.00	-.03	59	59	-2	SE	1	m	3	c	*	73	55	-
	Lorient... ...	30.02	68	W	0	m	30.02	-.03	62	62	+1	W	0	m	?	m	*	88	59	-
FRANCE &	Rochefort ...	30.00	75	NW	3	b	30.01	-.03	69	65	+3	ENE	2	b	*	b	*	91	64	-
	Belfort	30.06	81	ENE	3	m	30.12	-.03	66	60	+4	ENE	3	m	*	m	*	87	60	-
	Lyons	30.04	82	S	1	bc	30.12	-.02	67	61	0	S	1	b	*	bc	*	90	62	-
	Nice	30.08	72	W	0	b	30.11	-.01	72	63	+2	W	0	b	0	b	*	82	66	-
	Perpignan ...	30.05	75	NE	1	b	30.11	-.02	63	62	0	SW	1	b	*	b	*	83	58	-
	Biarritz ...	29.97	80	NE	2	b	29.99	-.01	70	69	+7	WSW	3	o	3	bm	*	84	63	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.05	70	W	0	b	30.04	-.02	69	65	+1	NNE	1	b	*	b	*	79	64	-
	Azores (P. Delgada)	30.16	67	ESE	3	b	30.10	-.03	70	65	-1	W	0	b	2	b	*	77	64	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

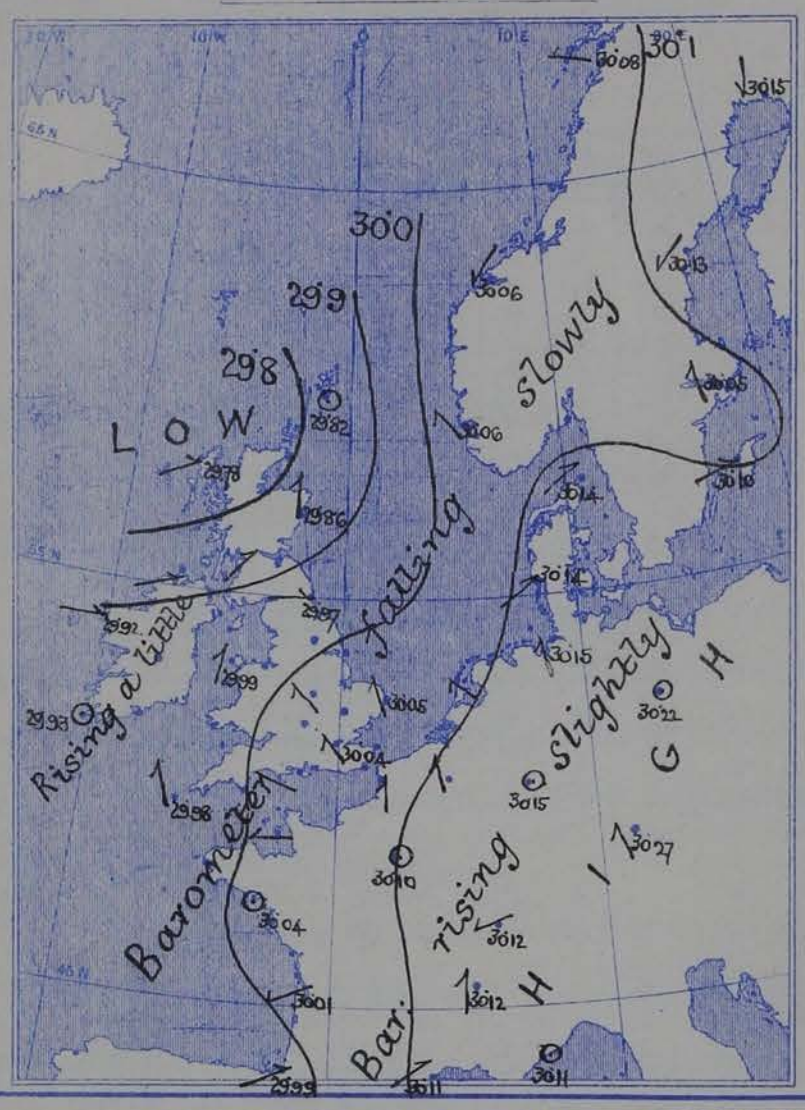
Bright Sunshine yesterday Southport 6.5 hrs;

WEATHER CHARTS

FOR Thursday 8th September, 1898

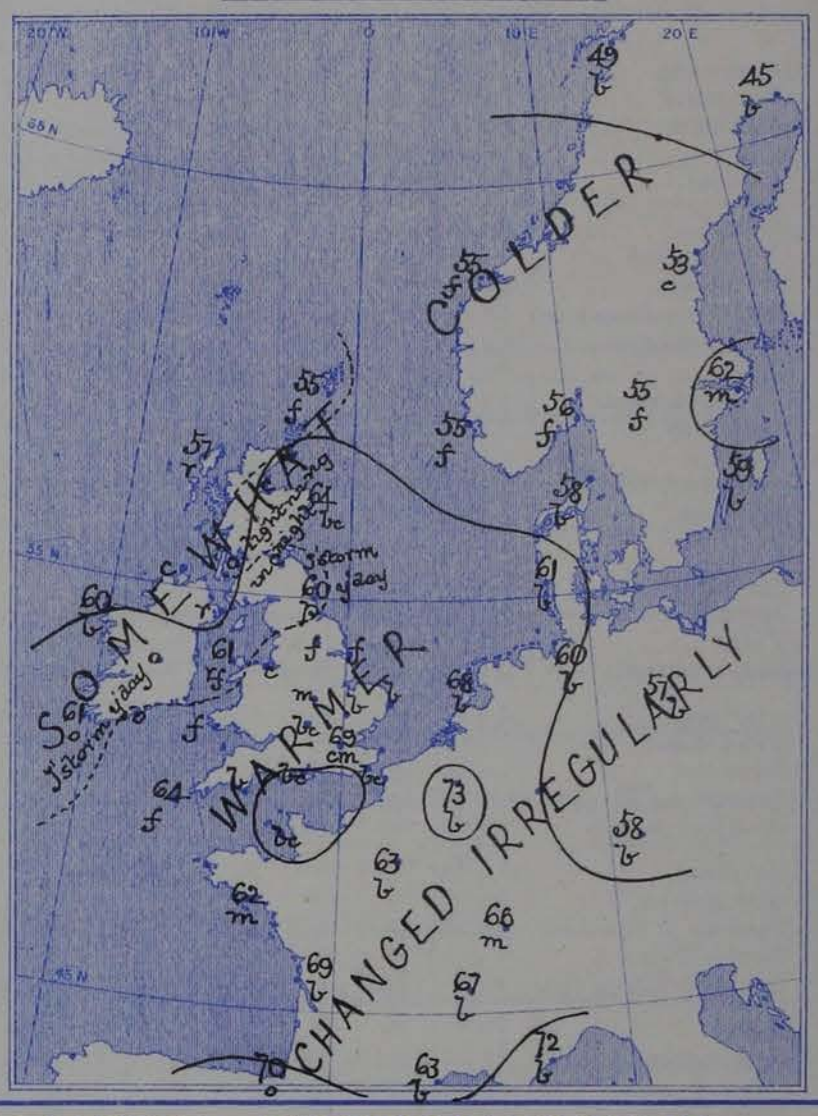
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in an anticyclone over Germany.
Lowest 29·8 ins: and less, in a shallow depression lying off the north of Scotland.
Gradients slight. Barometer falling a little in most parts of Great Britain and also on the eastern shores of the North Sea, but rising elsewhere.

TEMPERATURE

Highest, (1) 75° at Cape Gris Nez, 72° at Oxford and the North Foreland, and 71° at Jersey; (2) 72° at Kiel, 70° at Pillau, and 69° at Lisbon.
Lowest, 45° at Haparanda, 49° at Bodö, 53° at Hernösand and 55° at Christiansund, Sandesnaes, Karlstad, and Lerwick Head.
During yesterday the thermometer rose to 75° and upwards at some of the Scotch stations, to between 80° and 85° in many parts of England, and to 87° in London and at Cambridge.

WIND

Light from the E^ly or SE^ly over England, the Netherlands, Germany, and the northern parts of France, but from the S^ly or SW^ly on our western and northern coasts.
SW in Denmark and the south of Sweden, but SE or E in the west of Norway; calm or light from the SW^ly in the south of France.

WEATHER

Fine in the south and east of England, as well as at most of the Continental stations, but foggy at the mouths of the English and Bristol Channels.
Cloudy or dull over Ireland and the northern parts of Great Britain, with rain in a few places.
Rain fell yesterday at several of our western and northern stations, but the amount was in most cases slight. Thunderstorms occurred at Shields and Valencia (Ireland) and lightning was seen in the north of Scotland. Solar and lunar halos were seen yesterday in several parts of the south of England.

SEA

Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our northwest coasts yesterday is travelling away to the northward, but in the southwest there are some indications of the advance of a small secondary system. Thunderstorms are therefore not improbable in many parts of England.

FORECASTS

For the 24 hours ending at NOON on 9th SEPT. 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SW^ly winds, light; fair generally, but local thundershowers.	6 SCOTLAND WEST 7 ENGLAND N.W.	S^ly and SW^ly winds, light; changeable some showers, thunder locally.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No 5.	8 ENGLAND S.W.	Same as No 5
5 ENGLAND SOUTH	SE^ly and S^ly winds, light; fair at first, doubtful later, possibly local thunderstorms.	9 IRELAND NORTH 10 IRELAND SOUTH	Same as Nos 6 and 7.
		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·16	57	56	S	4	c	3
Sumburgh Head	29·94	62	60	Z	0	c	1
Stornoway	29·85	67	62	WSW	4	c	4
Aberdeen	29·98	72	64	S	2	bc	2
Shields	29·99	68	64	E	2	bcm	2
Ardrossan	29·93	68	65	SW	1	bcm	1
Malin Head ...	29·87	68	65	S	4	bc	2
Belmullet	29·86	64	61	SSW	4	c	*
Holyhead	30·00	66	64	SW	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·94	67	62	S	3	o m	4
Scilly	30·01	68	66	SSE	1	o	4
Jersey	30·07	73	69	E	2	c	2
Hurst Castle ...	30·05	76	70	SSW	1	bcm	1
Dungeness ...	30·06	72	67	Z	0	c	0
North Foreland	30·07	72	66	E	2	c	1
London (Westminster)	30·04	83	69	Z	0	bc	*
Yarmouth ...	30·07	68	65	SE	2	b	2
Rochefort ...	30·04	91	73	E	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over Europe as a whole, but with fog or mist in many parts of our Islands, as well as in Norway and Denmark. Cloudy in Ireland and the west of Scotland, with rain at Donaghadee and Parsonstown; dull also at many of the Russian stations, and rainy at Ukaborg, Kharkov, Nicolairff and Simbirsk. Considerable quantities of rain falling later in the west and south of Ireland, and slight showers at several of our northern stations, with thunderstorms at Shields and Valencia (Ireland). Lightning seen in the north of Scotland at night.

Temperature fallen in most parts of northwestern Europe, risen in Sweden and Germany, changed irregularly elsewhere. Morning readings highest 84° at Bilbao and Sanguinaire, 79° at Barcelona, and 75° at Toulon and San Fernando; above 65° in many parts of Great Britain and touching 70° at Aberdeen. Lowest 41° at Moscow, 44° at Kuopio and Kharkov, and 45° at Kiev. Rising during day to 85° and upwards in several parts of England, France, and Belgium, to 87° in London and at Cambridge, Paris, and Belfort, 89° at Brussels, and 90° at Lyons.

Wind light from the E^ly (NE to SE) over England, France, and Belgium, but S' or SW' over Ireland and Scotland, and fresh in force at Belmullet. Variable in the west of Norway, N' or NW' over Sweden, Denmark, eastern Germany, and the greater part of Russia. Variable over Italy, the Spanish Peninsula and the extreme south of France. Subsequently shifting to the N^ly in the west of France; no important change occurring elsewhere.

Barometer highest 30·2 ins. and upwards over South Germany; 30·0 ins. and upwards in an anticyclone embracing all but the eastern and extreme northwestern parts of Europe. Lowest 29·7 ins. and less in a shallow depression over the southern parts of Russia; 29·9 ins. and less in another shallow system lying off our own extreme northwest coasts. No important change occurring later, but barometer falling in most parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 9th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HRS. Weather.	Hours of Bright Sunshine	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	30.11	41	W	0	b	30.10	-.05	41	39	-4	NNE	2	b	*	b	*	55	36	-
	Hernösand ...	30.14	45	W	0	b	30.06	-.07	46	45	-7	W	0	f	*	b	*	77	43	-
	Stockholm ...	30.06	59	W	0	0	30.02	-.03	57	54	-5	W	0	0	*	0	*	70	54	-
	Wisby	30.07	58	NNW	2	b	30.03	-.07	58	58	-1	N	2	f	*	b	*	64	52	-
	Karlstad ...	30.05	58	W	0	0	30.00	-.09	56	55	+1	E	2	f	*	0	*	*	*	-
	Bodö	29.92	58	W	0	0	29.80	-.28	58	54	+9	E	4	0	1	0	*	58	45	-
	Christiansund ...	29.87	61	W	0	m	29.90	-.16	56	55	+1	W	0	f	2	m	*	66	55	0.24
	Skudesnaes ...	29.99	61	SSW	6	0	29.87	-.19	61	59	+6	E	2	r	2	c, o	*	66	54	*
	Færder (Christiania Fjord)	30.05	60	S	2	0	29.98	-.11	61	60	+5	S	2	m	1	0	*	61	55	—
	Skagen (The Scaw)	30.08	59	N	1	bc	30.01	-.13	62	61	+4	SE	1	m	0	bc	*	70	57	-
	Fanö	30.07	62	SW	1	b	29.98	-.16	62	61	+1	ESE	1	b	*	t, b	*	72	61	-
GERMANY & HOLLAND.	Sumburgh Head	29.83	55	NNW	2	0	29.76	-.06	53	53	-2	W	0	r	2	c, o	*	64	51	0.08
	Stornoway ...	29.87	57	NNW	3	bc	29.77	-.01	53	52	-4	NSW	3	bc	3	c, bc	4.0	60	49	0.05
	Wick	29.89	61	S	1	bc	29.76	-.05	55	54	-10	W	0	r	0	t, bc	*	68	53	0.23
	Nairn	29.89	62	W	0	bc	29.78	-.04	56	56	-7	W	0	c	0	bc	*	68	53	0.26
	Aberdeen ...	29.90	65	SW	1	c	29.76	-.10	57	56	-7	W	2	of	1	q.p, bc	5.3	72	56	0.07
	Leith	29.90	65	W	3	0	29.78	-.11	58	57	-7	W	1	r	*	0	*	72	56	0.07
	Shields	29.94	61	NE	1	0	29.79	-.18	61	60	+1	SW	1	om	2	op, t	*	70	59	-
	Spurn Head ...	29.90	65	SE	4	bc	29.85	-.14	67	63	+2	SSW	2	bc	2	bc	*	71	62	-
	York	29.93	71	NSW	1	bc	29.83	-.15	64	62	-1	S	1	b	*	o, c	3.0	81	59	-
	Loughborough ...	29.90	79	W	0	bc	29.89	-.12	65	62	-1	NSW	2	cmw	*	c, bc, bm	*	90	58	-
BRITISH ISLANDS.	Ardrossan ...	29.91	62	W	0	om	29.81	-.11	59	57	-1	W	0	0	0	c, om	*	64	56	0.50
	Malin Head ...	29.91	58	NE	3	cg	29.83	-.03	55	55	-2	NW	4	c	3	b, cg	*	62	55	0.13
	Belmullet ...	29.93	59	NNE	1	0	29.91	-.01	58	55	-2	NW	1	b	*	bc, b	*	62	49	-
	Donaghadee ...	29.93	60	SE	3	c	29.84	-.10	58	58	-1	NNW	3	c	1	c	*	68	55	0.51
	Liverpool (Bidston)	29.93	65	NW	1	0	29.86	-.12	64	61	0	SW	2	0	2	f, o	*	63	61	-
	Holyhead ...	29.94	61	SSW	1	ctm	29.87	-.12	59	59	-2	NW	1	df	0	t r f, cm	*	70	58	0.05
	Parsonstown ...	29.89	63	W	0	r	29.90	-.02	55	54	-7	W	0	or	*	or	0.0	66	54	0.93
	Valencia ...	29.89	59	N	1	rm	29.95	+.02	59	57	-2	N	2	c	4	rm	0.0	63	56	0.93
	Roche's Point ..	29.90	63	SW	2	r	29.88	-.09	58	56	-5	NNW	5	c	4	c, r	*	64	57	0.98
	Pembroke (St. Ann's Hd.)	29.94	60	W	1	0	29.89	-.10	62	62	+1	S	3	og	3	o	0.8	63	60	-
	Scilly	29.96	67	SSW	1	c	29.90	-.08	66	64	+2	SSW	4	o	2	c	5.3	70	62	-
	Prawle Point ...	29.95	65	NSW	2	f	29.95	-.04	65	63	-2	NSW	2	bc	2	c, f	*	72	59	-
	Jersey (St. Aubin's)	29.96	79	ESE	3	bcm	29.99	-.03	62	61	-9	W	3	of	5	b, bcm	*	84	60	-
	Hurst Castle ...	29.95	69	SSW	1	cm	29.94	-.08	64	62	-6	NSW	3	om	2	bm, cm	*	78	60	-
	Dungeness ...	29.98	72	SSE	1	b	29.93	-.12	69	66	-1	SSW	1	b	1	b	*	78	65	-
	North Foreland	30.00	70	ESE	2	b	29.92	-.14	74	70	+2	S	3	b	2	b	*	77	69	-
	London (Brixton) ...	29.97	79	S	1	bc	29.92	-.12	69	64	0	W	1	b	*	b	7.4	91	61	-
	Oxford	29.95	73	SSE	2	c	29.92	-.09	61	59	-11	SW	2	om	*	cm	*	90	60	-
	Cambridge ...	29.94	82	S	2	bc	29.91	-.13	66	64	-3	W	0	bw	*	bc	10.7	92	60	-
	Yarmouth ...	29.98	68	SSE	2	b	29.90	-.15	70	66	+4	SSW	2	b	2	b	*	70	64	-
	Cuxhaven ...	30.10	72	W	0	b	30.01	-.14	64	62	+4	SSW	2	b	*	b	*	79	59	-
	Berlin	30.17	69	W	0	b	30.12	-.10	60	57	+3	SSW	2	b	*	b	*	77	57	-
	Wiesbaden ...	*	*	*	*	*	30.12	-.03	59	58	0	W	0	b	*	*	*	81	55	-
	Munich... ..	30.23	60	SE	1	b	30.21	-.06	57	55	-1	SE	2	b	*	b	*	77	48	-
	The Helder ...	30.03	72	W	0	b	29.95	-.13	69	65	+1	SSE	1	b	1	b	*	77	59	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.01	-.09	73	66	0	SE	3	b	*	b	*	88	63	-
	Cape Gris Nez ...	?	70	SE	1	b	?	?	76	68	+1	S	2	bc	1	m	*	88	72	-
	Paris	30.03	77	ENE	1	b	30.02	-.08	61	60	-2	W	0	b	*	b	*	89	57	-
	Brest	29.98	59	NW	1	m	29.97	-.03	62	60	+3	W	0	b	1	m	*	?	54	-
	Lorient... ...	29.98	66	W	1	m	30.00	-.02	60	59	-2	N	2	m	3	m	*	77	59	-
FRANCE &	Rochefort ...	29.96	74	W	2	b	30.00	-.01	67	66	-2	W	0	m	*	b	*	99	66	-
	Belfort	30.02	78	ESE	1	bc	30.08	-.04	63	60	-3	W	0	m	*	bc	*	86	58	-
	Lyons	30.04	82	S	1	b	30.09	-.03	69	64	0	SSE	1	b	*	b	*	91	62	-
	Nice	30.09	72	SW	2	b	30.12	+.01	70	65	-2	E	1	b	0	b	*	82	64	-
	Perpignan ...	30.04	73	NE	2	b	30.08	-.03	64	63	+1	SW	1	m	*	b	*	80	59	-
	Biarritz ...	29.97	73	N	2	b	29.98	-.01	68	67	-2	W	0	b	2	b	*	77	66	-
PENINSULA.	Corunna ...																*			
	Lisbon	29.99	73	N	2	b	29.99	-.05	72	67	+3	W	0	m	*	b	*	82	66	-
	Azores (P. Delgada)	30.07	69	W	2	bc	30.04	-.06	70	67	0	NNE	3	c	3	bc	*	75	68	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

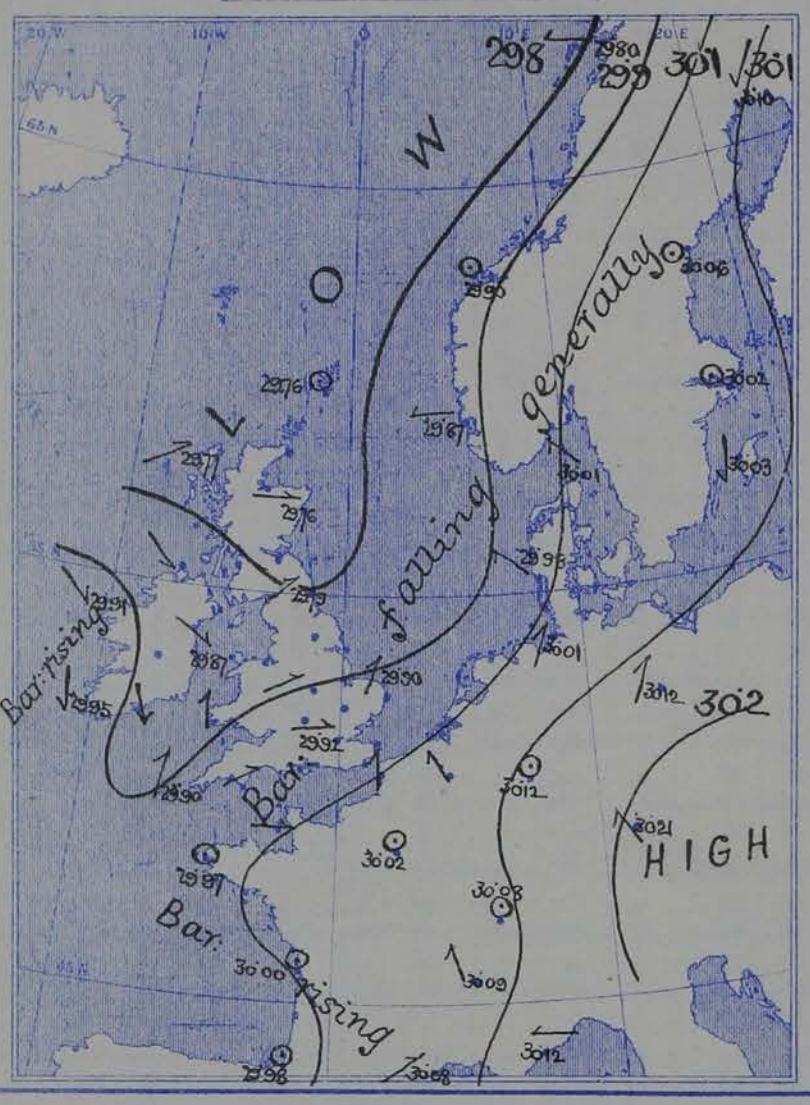
Bright Sunshine yesterday Southport 2.4 hrs;

WEATHER CHARTS

FOR Friday. 9th September, 1898

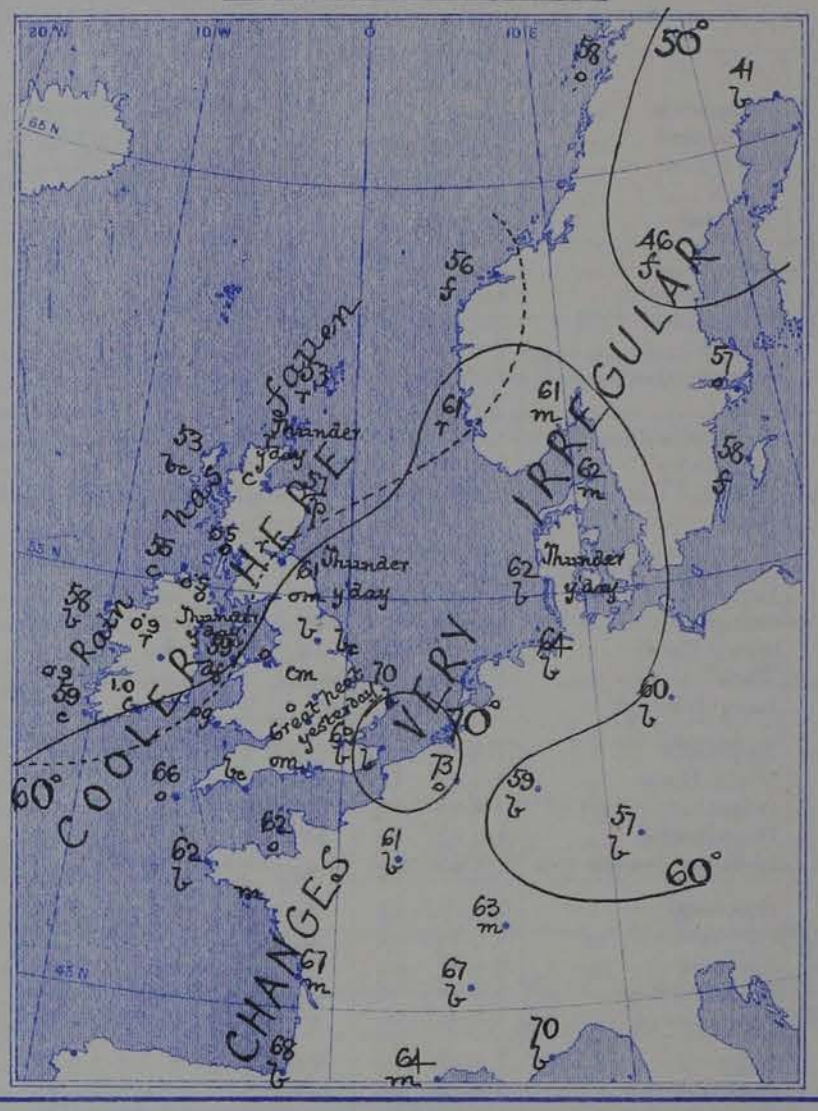
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·21 in: at Munich; 30·1 in: and upwards, in an anticyclone lying over the greater part of Germany and the southeast of France.
Lowest, 29·8 in: and less, in a large shallow depression lying over and to the northward of Scotland; 29·9 in: and less, in a small secondary system near the mouth of the St George Channel.
Gradients slight. Barometer falling over Western Europe as a whole, but steady in the south of England, and rising again in Ireland, as well as in the west and south of France.

TEMPERATURE

Highest, 76° at Cape Gris Nez, 74° at the North Foreland, 73° at Brussels, 72° at Lisbon, and 70° at Yarmouth and Nice
Lowest, 41° at Haparanda and 46° at Hernösand (2) 53° at Lerwick Hd and Stornoway, and 55° at Wick, Malin Hd and Parsonstown.
During yesterday the thermometer rose to 90° at Loughborough and Oxford, to 91° in London and to 92° at Cambridge. On most parts of our western and northern coasts it failed to reach 70° and at Shields and Yarmouth it only just touched that point.

WIND

Light from the SW^ly over the greater part of England, and from the S^ly or SE^ly over Germany and the eastern shores of North Sea, but Calm or W^ly in Scotland, and NW^ly in Ireland.
Calm or variable over France; light from the N^ly at some of the Swedish stations.

WEATHER

Fine in the east and southeast of England, as well as at most of the Continental stations, but foggy or misty in many parts of Scandinavia.
Cloudy or dull in the west and north of our Islands generally, with rain in several places.
Rain fell yesterday over Ireland, Scotland, and the north of England, the largest amounts being 1·0 in: at Rochdale, 0·9 in: at Parsonstown and Valencia, and 0·5 in: at Ardrossan and Donaghadee. Thunder occurred at some of our northern stations and also at Paris.

SEA

Slight or smooth generally, but moderate off the south of Ireland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is spreading southeastward, while the secondary system in the southwest is apparently moving eastwards. The cloudy unsettled weather in the west and north seems likely to become more general, with a considerable fall of temperature over England.

FORECASTS

For the 24 hours ending at NOON on 10th SEPT: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	W^ly to NW^ly winds, light; cool, changeable, some showers.	6 SCOTLAND WEST 7 ENGLAND N.W.	W^ly to NW^ly winds, light; cloudy some rain, cooler.
2 ENGLAND N.E. 3 ENGLAND EAST	Same as No 5.	8 ENGLAND S.W.	SW^ly to NW^ly winds, moderate; cloudy, some rain, thunder locally.
4 MIDLAND COUNTIES	SW^ly to NW^ly winds, light; cloudy, some rain, thunder locally, cooler.	9 IRELAND NORTH 10 IRELAND SOUTH	NW^ly winds, backing later; cool, changeable, some rain.
5 ENGLAND SOUTH	S^ly and SW^ly winds, light; fine and warm at first, cloudy and cooler later with local thunderstorms.	WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30.01	66	62	S	4	c	2	Valencia	29.93	62	59	WNW	1	rm	2
Sumburgh Head	29.80	58	57	WNW	2	o	3	Scilly	29.97	68	65	WNW	1	c	3
Stornoway ...	29.81	59	57	NW	3	o	3	Jersey	30.00	75	68	ESE	2	b	2
Aberdeen	29.88	67	61	SW	2	ogp	2	Hurst Castle ...	29.99	78	69	SSW	2	bm	2
Shields	29.97	67	63	S	0	o	2	Dungeness ...	30.02	75	69	SSW	2	bm	2
Ardrossan	29.92	64	63	SW	3	c	2	North Foreland	30.04	76	71	SSE	3	b	1
Malin Head ...	29.92	61	59	W	4	b	2	London (Westminster)	29.98	89	70	SW	2	b	*
Belmullet	29.84	61	57	NE	1	bc	*	Yarmouth ..	30.01	70	66	SE	2	b	1
Holyhead	29.98	64	63	SW	2	c	1	Rochefort ...	30.00	91	77	SW	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine in the south and east of England, as well as at most of the Continental stations, but foggy on the Norwegian coast, and dull in the west and south of Russia. Cloudy or dull in the west and north of our Islands, with fog at the mouths of the Bristol and English Channels, and rain at Lerwick and Donaghadee. Heavy rain falling later in the south of Ireland, and smaller quantities at most of our northern stations, with thunder in places. Thunder occurring also at Turin.

Temperature fallen in Ireland, Scotland and Scandinavia, but risen in most other countries. Morning readings highest (1) 85° at Sanguinaire, 79° at Barcelona, and 75° at Malta; (2) 75° at Cape Gris Nez, 73° at Brussels, and 72° at Oxford and the North Foreland; ranging between 65° and 70° in most parts of England. Lowest 41° at Chantoc, 42° at Moscow, and 45° at Haparanda, Teleaborg and Kiev. Daily maxima below 70° on most parts of our western and extreme northern coasts, but thermometer reaching 90° or more in several parts of England, and touching 92° at Cambridge.

Wind light from the S. or SW. on our western and northern coasts, and from the SE. or E. in the west of Norway. SE. over England and the Netherlands, and E. in the west of France, but very variable over central and southern Europe generally. N. or NW. over Russia and the northern parts of Sweden; SW. in Denmark and the south of Sweden. Subsequently veering to the S. over England, but shifting to the N. in the west of Ireland.

Barometer highest, 30·2 in. and upwards over the eastern and southern parts of Germany; 30·0 in. and upwards, in an anticyclone embracing all but the most eastern and western parts of Europe. Lowest 29·8 in. and less, in a shallow depression off the north of Scotland, and also in a large area over northern and central Russia. Barometer falling during day at all but our northern stations, and shallow secondary disturbances appearing over the south of Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 10th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 6.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine	Temp. Max	Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.96	58	SE	5	b	29.69	-.41	50	46	+ 9	S	4	c	*	b	*	54	37	-
	Hernösand ...	29.84	51	SE	2	0	29.41	-.65	53	53	+ 7	SE	4	f	*	0	*	53	37	0.03
	Stockholm ...	29.88	58	SE	2	0	29.60	-.42	63	61	+ 6	SSW	2	r	*	0	*	64	?	-
	Wisby	29.92	61	S	4	0	29.70	-.33	66	61	+ 8	SSW	4	0	*	0	*	66	54	-
	Karlstad ...	29.74	64	S	4	0	29.61	-.39	60	57	+ 4	SW	4	0	*	0	*	*	*	-
	Bodö	29.42	53	ENE	4	m	29.45	-.35	49	48	- 9	SW	6	0	3	m	*	59	48	0.22
	Christiansund ...	29.51	54	SW	3	r	29.50	-.40	53	51	- 3	SE	2	c	2	r	*	57	52	0.24
	Skudesnæs ...	29.71	58	SW	4	r	29.69	-.18	57	55	- 4	SSW	6	0	3	o.f.r	*	63	52	*
	Færder (Christiania Fjord)	29.71	62	S	4	m	29.65	-.33	59	56	- 2	W	5	0	3	m	*	63	59	0.04
	Skagen (The Scaw)	29.74	63	SW	3	m	29.73	-.28	58	55	- 4	W	4	c	0	m	*	64	57	-
	Fanö	29.82	65	SW	3	b	29.81	-.17	61	59	- 1	W	4	c	*	b	*	73	59	-
	Sumburgh Head	29.64	54	WSW	2	bc	29.41	-.35	54	54	+ 1	SW	4	c	4	c.bc	*	57	45	0.18
	Stornoway ...	29.67	56	WSW	4	0	29.53	-.24	56	55	+ 3	W	5	c	5	c.o	5.9	62	50	0.03
	Wick	29.70	58	W	2	0	29.53	-.23	58	54	+ 3	W	6	bco	3	o	*	62	50	0.03
	Nairn	29.73	58	W	3	bc	29.57	-.21	59	56	+ 3	W	2	b	1	bc	*	65	52	-
	Aberdeen ...	29.74	60	S	1	bc	29.87	-.09	59	54	+ 2	SW	4	bcq	2	c.bc	1.6	64	51	-
BRITISH ISLANDS.	Leith	29.80	62	NE	3	bc	29.77	-.01	57	54	- 1	WSW	5	o	*	bc	*	66	53	-
	Shields	29.85	63	WSW	2	0	29.87	+.08	54	51	- 7	SW	3	c	2	op	*	68	51	-
	Spurn Head ...	29.85	67	NNW	3	c	29.95	+.10	62	56	- 5	W	4	bc	4	c.r	*	75	56	0.01
	York	29.87	65	W	1	0	29.94	+.11	57	55	- 7	WSW	1	bc	*	c.o.p	2.7	72	52	0.05
	Loughborough ...	29.87	72	SW	1	c	30.02	+.13	57	54	- 8	W	2	bw	*	cm.o.bm	*	77	52	-
	Ardrossan ...	29.84	59	W	2	b	29.81	.00	58	56	- 1	SW	3	o	3	c.bc	*	62	56	-
	Malin Head ...	29.86	58	W	4	bcp	29.78	-.05	58	58	+ 3	WSW	5	bc.p	4	b.bcp	*	59	55	0.04
	Belmullet ...	29.94	59	NW	4	bc	29.91	-.00	60	58	+ 2	W	3	bc	*	bc	*	62	56	-
	Donaghadee ...	29.91	57	SW	2	bc	29.90	+.06	56	55	- 2	WSW	3	bc	1	bc	*	62	49	0.03
	Liverpool (Bidston)	29.90	57	NW	1	c	29.99	+.13	58	54	- 6	WSW	2	o	3	q.r.c	*	68	54	0.14
	Holyhead ...	29.93	58	2	0	c	29.99	+.12	58	56	- 1	SW	4	c	2	m.d.c	*	59	53	0.47
	Parsonstown ...	29.97	60	NW	1	b	29.98	+.08	61	58	+ 6	SW	2	cq	*	b	7.6	67	51	-
	Valencia ...	30.04	62	W	2	bv	30.06	+.11	62	59	+ 3	WSW	3	o q	3	bv	9.7	62	55	-
	Roche's Point ...	29.99	65	NNW	4	b	30.06	+.18	62	59	+ 6	WSW	3	bc	3	b	*	66	54	-
	Pembroke (St. Ann's Hd.)	30.01	59	NW	3	b	30.06	+.17	61	58	- 1	W	4	o	4	o.b	1.0	63	50	-
	Scilly	29.99	64	NW	3	c	30.12	+.22	62	58	- 4	WNW	2	bc	1	c	0.7	69	57	-
	Prawle Point ...	29.98	63	WSW	3	bc	30.13	+.18	62	60	- 3	WNW	3	bc	2	bo	*	68	54	-
	Jersey (St. Aubin's)	30.01	66	W	3	bc	30.12	+.13	63	61	+ 1	WNW	2	omw	2	cm.bc	*	68	60	0.01
	Hurst Castle ...	29.95	66	WSW	4	cm	30.09	+.15	61	57	- 3	WNW	1	bm	1	bcm.cm	*	72	56	-
	Dungeness ...	29.90	65	SW	5	b	30.04	+.11	64	60	- 5	WNW	3	o	2	b.f.b	*	73	61	-
GERMANY & HOLLAND.	North Foreland	29.90	73	SE	3	b	30.03	+.11	63	60	- 11	NW	3	c	2	b	*	84	59	-
	London (Brixton) ...	29.90	76	WSW	1	bc	30.07	+.15	62	56	- 7	WNW	2	b	*	bc.c	8.8	88	58	-
	Oxford	29.93	67	WNW	2	c	30.07	+.15	59	55	- 2	WSW	3	b	*	c	*	73	53	-
	Cambridge ...	29.89	74	WSW	2	c	30.04	+.13	61	56	- 5	W	2	b	*	b.c	9.6	84	55	-
	Yarmouth ...	29.84	71	WSW	2	bc	29.97	+.07	63	59	- 7	WNW	3	b	2	bc	*	78	59	-
	Cuxhaven ...	29.91	73	SSW	1	b	29.85	-.16	65	63	+ 1	2	0	bm	*	b	*	82	63	-
	Berlin	30.01	72	SSW	1	b	29.94	-.18	63	58	+ 3	SW	3	b	*	b	*	84	57	-
	Wiesbaden ...	*	*	*	*	*	30.03	-.09	64	62	+ 5	S	1	b	*	*	*	75	57	-
	Munich	30.15	68	2	0	b	30.17	-.04	65	61	+ 8	SE	2	b	*	b	*	77	57	-
	The Helder ...	29.86	71	SW	1	b	29.90	-.05	66	64	- 3	W	1	b	1	b	*	81	61	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.04	+.03	59	59	- 14	SW	3	f	*	b	*	89	57	-
	Cape Gris Nez ...	?	64	WSW	3	f	?	?	64	62	- 12	WNW	2	o	2	f	*	79	61	-
	Paris	29.94	80	SSE	2	b	30.10	+.08	61	59	0	NW	2	m	*	b	*	92	59	-
	Brest	30.02	68	SW	1	bc	30.12	+.15	61	59	- 1	NE	1	c	1	bc	*	72	57	-
	Lorient	30.03	67	WNW	4	c	30.13	+.13	64	64	+ 4	NNW	1	o	3	c	*	75	59	-
FRANCE &	Rochefort ...	30.00	68	W	3	bc	30.04	+.04	64	63	- 3	WNW	2	c	*	bc	*	79	63	-
	Belfort ...	29.98	79	W	1	m	30.05	-.03	67	60	+ 4	W	1	m	*	m	*	90	58	-
	Lyons ...	30.01	80	ENE	1	b	30.10	+.01	66	58	- 1	S	1	b	*	b	*	91	59	-
	Nice	30.06	74	2	0	b	30.10	-.02	73	64	+ 3	E	2	b	?	b	*	84	?	-
	Perpignan ...	30.02	72	NE	2	b	30.11	+.03	64	64	0	2	0	m	*	b	*	81	59	-
	Biarritz ...	29.99	72	W	4	b	30.04	+.06	68	67	0	2	0	o	2	b	*	82	66	-
PENINSULA.	Corunna ...																*			
	Lisbon ...														*		*			
	Azores (P. Delgada)	30.05	70	NE	3	bc	30.03	-.01	71	67	+ 1	NE	1	b	2	bc	*	79	66	0.08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

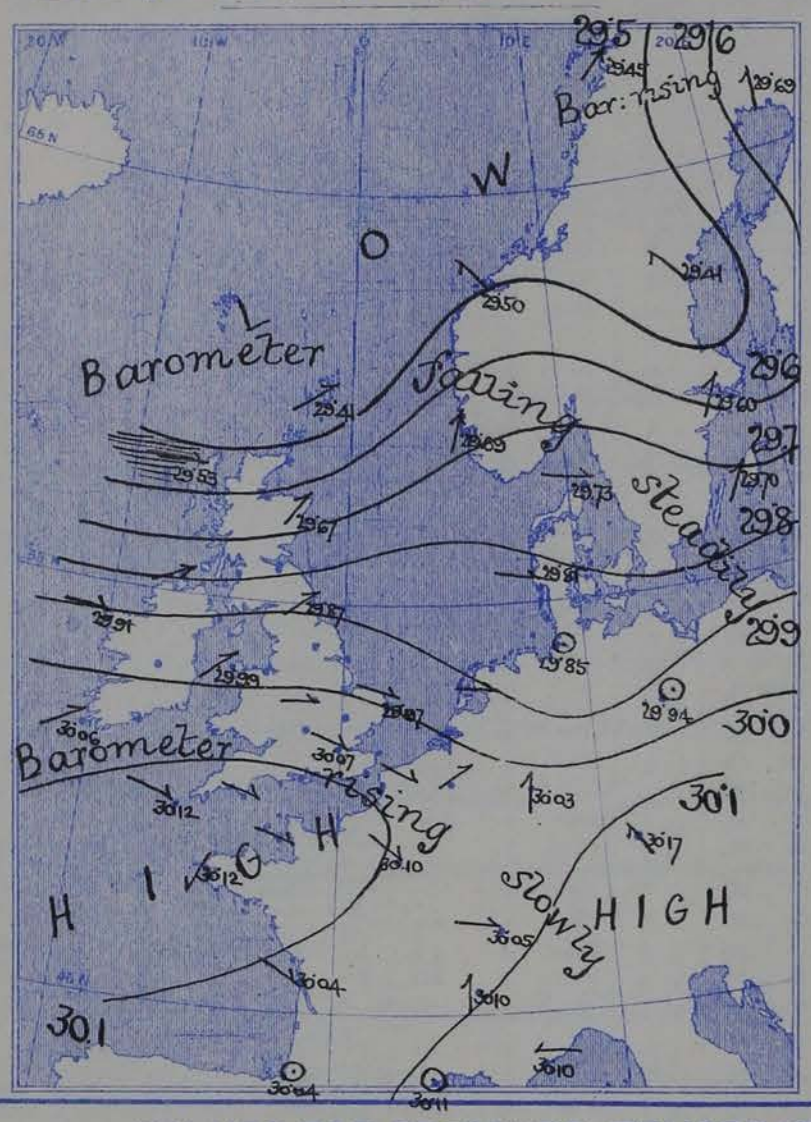
Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Saturday, 10th September, 1898

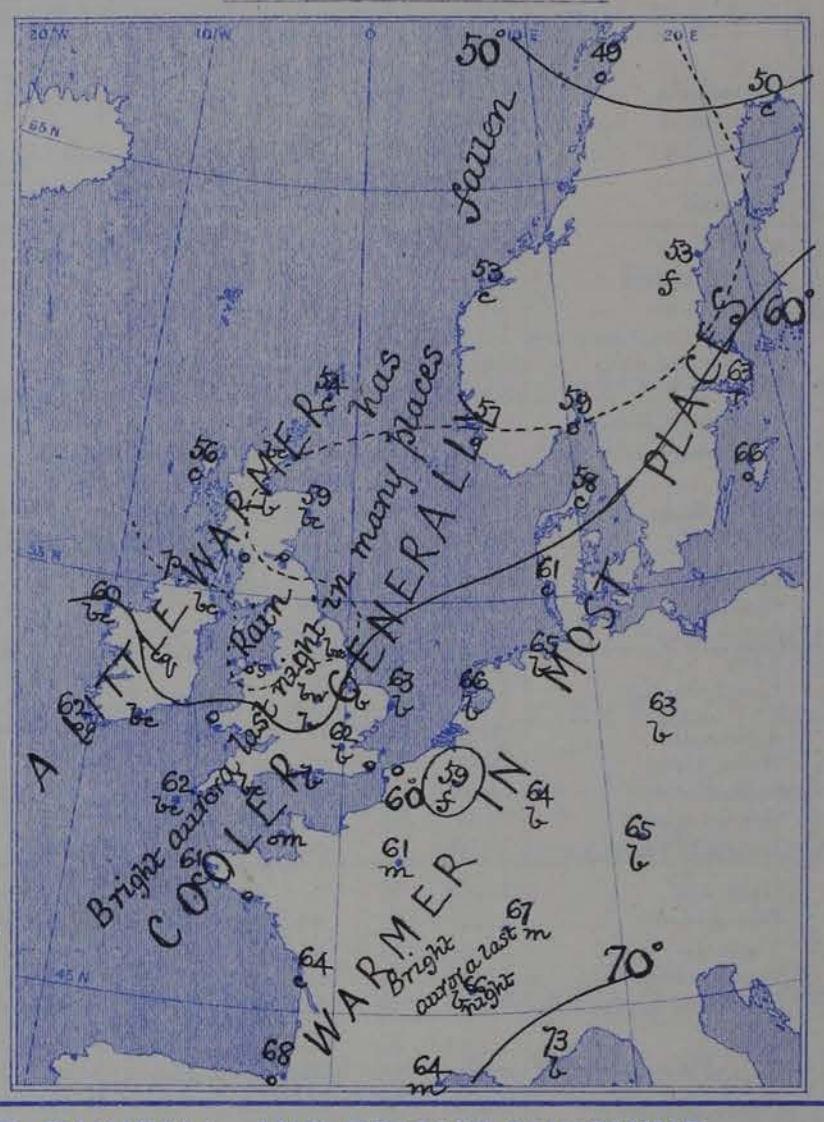
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 in. to 30·2 in. in an anticyclone lying over France, Belgium, and the southern parts of our Islands and Germany.
Lowest, 29·5 in. and less, in a large depression lying to the northward of our Islands, and also in a secondary system over the Central parts of Scandinavia.
Gradients rather steep over Scotland, but moderate to slight elsewhere.
Barometer falling in the northern parts of our Islands, and also in Scandinavia, Denmark, and North Germany, but rising elsewhere.

TEMPERATURE

Highest, 73° at Nice, 68° at Biarritz, 67° at Belfort, and 66° at the Helder and Lyons; highest in our Islands 64° at Bangor.
Lowest, 49° at Bodö, 50° at Haparanda, 53° at Hernösand and Christiansund, and 54° at Lerwick Head and Shields.
During yesterday the thermometer rose to 80° and upwards in many parts of the East and southeast of England, and to 88° in London.
In other parts of England the readings were considerably lower than those of Thursday.

WIND

W. or SW. over our Islands, the Netherlands, Denmark, North Germany, and the south of Scandinavia; fresh or strong in force in the north of Scotland and the south of Norway; S. or SE. over the northern parts of Scandinavia.
Light from the NW. in the north of France; calm or variable in the south of that country.

WEATHER

Fair or fine over Western Europe as a whole, but foggy or misty over Belgium and the north of France, and showery at Malin Head.
Cloudy or dull in Scandinavia, with rain at Stockholm.
Rain fell yesterday at several of our own northern stations and also in Scandinavia, but the amounts were mostly slight.
Bright Aurora was seen last night in many parts of the United Kingdom, and also at Lyons.

SEA

Moderate to smooth generally, but rather rough at Stornoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is increasing somewhat in depth, but is not inclined to spread southwards. Fair dry weather seems likely to continue for a time over all the more southern parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 11TH SEPT. 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. winds, fresh or strong; fine at first, showery later.
1 SCOTLAND EAST	SW. and W. winds, fresh; fair generally, but local showers.
2 ENGLAND N.E.	
3 ENGLAND EAST	W. winds, light or moderate; fair generally.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	SW. and W. winds, freshening; fair at first, showery later.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as Nos 3 to 5
9 IRELAND NORTH	Same as Nos 6 and 7.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.72	63	60	S	8	o	4
Sumburgh Head	29.66	56	54	W	1	c	2
Stornoway	29.69	62	57	W	5	c	5
Aberdeen	29.75	63	59	NW	2	c	1
Shields	29.83	65	61	WSW	2	o m	2
Ardrossan	29.83	61	58	W	2	c	1
Malin Head ...	29.86	59	58	WNW	4	b	3
Belmullet	29.94	62	59	W	3	bc	*
Holyhead	29.90	57	57	NE	2	dm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.02	62	57	WNW	3	bv	4
Scilly	29.95	64	62	WNW	4	c	2
Jersey	30.02	66	62	WSW	4	c	3
Hurst Castle ...	29.96	70	65	WSW	4	bcm	2
Dungeness ...	29.91	69	65	SW	4	b	3
North Foreland	29.90	84	69	SE	3	b	2
London (Westminster)	29.89	80	67	WSW	3	b	*
Yarmouth ...	29.84	72	67	SSE	2	b	2
Rochefort ...	30.00	77	70	NW	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine in the east and southeast of England and also over the greater part of the Continent, but foggy at many of the Scandinavian stations. Cloudy or dull in the west and north of our Islands generally, with rain in the north and east of Scotland, and also at Skudesnaes and Parsonstown. Rain falling later at several of our own northern stations, as well as in Scandinavia, but amount mostly slight. Bright Aurora seen at night in many parts of the United Kingdom and also at Lyons.

Temperature fallen over the greater part of our Islands, France and Italy, as well as in Sweden and Finland, risen in most other localities. Morning readings highest (1) 79° at Barcelona, 77° at Sanguineiro, and 75° at Brindisi; (2) 76° at Cape Fair Hy and 74° at the North Foreland; above 65° in the south and east of England generally. Lowest, 40° at Kuopio, 41° at Haparanda, and 44° at Helsingfors, lowest in our Islands 53° at Sumburgh Head and Stornoway. Rising during day to 80° and upwards over the east and southeast of England, and to 88° in London; exceeding 90° at some of the French stations and touching 92° at Paris.

Wind light from the SW^d over the greater part of England, and from the S^d or SE^d over Germany and the eastern shores of the North Sea, but calm or W^d in Scotland, and NW^d in Ireland. Calm or variable over France, Spain and Austria, but chiefly NW^d in Italy. Cyclonic circulation of very light breezes reported over Russia. W^d breezes setting in later over the Bay of Biscay; no important change occurring elsewhere.

Barometer highest 30·2 in: and upwards over Turkey, Austria and south Germany; 30·1 in: and upwards in an anticyclone covering the greater part of Central and southern Europe. Lowest 29·6 in: and less, in a depression over Central Russia; 29·8 in: and less, in a shallow disturbance lying over and to the northward of Scotland; 29·9 in: and less, in a secondary system at the mouth of the St George's Channel. Secondary depression subsequently moving eastwards across England, and barometer rising on all our western and southern coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m mist (Hazy); o overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

" AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 11th September 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.36	49	SE	4	r	29.30	−.39	47	46	−3	NSW	2	0	*	r	*	50	34	0.51
	Hernösand ...	29.42	49	Z	0	b	29.47	+.06	53	49	0	W	2	b	*	b	*	63	48	—
	Stockholm ...	29.59	59	NW	6	b	29.69	+.09	58	54	−5	WSW	6	0	*	b	*	68	54	—
	Wisby	29.71	60	W	8	b	29.85	+.15	58	54	−8	W	8	bc	*	b	*	66	57	—
	Karlstad ...	29.64	57	SW	6	b	29.72	+.11	58	52	−2	SW	4	bc	*	b	*	*	*	—
	Bodö	29.28	52	E	4	0	29.20	−.25	49	48	0	Z	0	c	1	0	*	55	48	0.12
	Christiansund ...	29.30	52	SW	8	?	29.47	−.03	49	48	−4	SW	8	r	4	?	*	57	48	0.87
	Skudesnaes ...	29.70	59	SW	4	0	29.78	+.09	57	54	0	SSW	4	c	4	0	*	59	52	*
	Færder (Christiania Fjord)	29.63	59	WSW	5	b	29.77	+.12	58	54	−1	SW	6	bc	4	b	*	61	57	—
	Skagen (The Scaw)	29.80	57	W	5	bc	29.87	+.14	60	57	+2	WSW	4	bc	0	bc	*	63	55	—
	Fanö	29.93	59	W	5	c	29.99	+.18	61	59	0	W	4	c	*	c	*	66	59	—
BRITISH ISLANDS.	Sumburgh Head	29.43	54	WSW	7	c	29.57	+.16	54	52	0	SW	4	0	5	c	*	58	50	0.04
	Stornoway ...	29.61	56	WNW	5	c	29.62	+.09	53	52	−3	W	3	c	3	c	4.1	59	49	0.08
	Wick	29.63	55	W	5	bc	29.55	+.02	55	53	−3	NW	3	0	1	bc	*	65	50	—
	Nairn	29.67	59	W	2	c	29.66	+.09	60	56	+1	W	1	c	0	c	*	65	50	—
	Aberdeen ...	29.71	61	SW	3	b	29.72	+.05	58	55	−1	SW	2	c	1	c,b	11.7	71	53	—
	Leith	29.80	59	W	4	bc	29.74	−.03	64	59	+7	WSW	2	bc	*	bc	*	67	56	—
	Shields	29.88	64	WSW	3	c	29.84	−.03	62	59	+8	SSW	2	0	2	c,c	*	66	53	—
	Spurn Head ...	29.97	63	W	3	c	29.94	−.01	64	60	+2	SW	4	bc	3	c	*	68	55	—
	York	29.97	62	WSW	2	c	29.92	−.02	63	60	+6	S	1	0	*	c	5.0	67	53	—
	Loughborough ...	30.03	66	W	1	c	30.00	−.02	62	57	+5	SW	3	bc	*	bc,c,bc	*	72	55	—
	Ardrossan ...	29.85	61	WSW	2	bc	29.75	−.06	59	58	+1	W	3	0	2	c,bc	*	65	58	—
	Malin Head ...	29.84	60	WSW	4	bcm	29.63	−.15	58	57	0	SW	3	og	3	bcm	*	61	57	0.03
	Belmullet ...	29.92	60	WSW	3	0	29.89	−.12	60	59	0	W	2	0	*	c,0	*	63	55	0.03
	Donaghadee ...	29.91	64	SW	2	c	29.81	−.09	60	60	+4	SSW	3	0	1	c	*	69	54	0.03
	Liverpool (Bidston)	29.99	62	WSW	2	c	29.92	−.07	62	57	+4	SW	3	0	1	c	*	66	58	0.01
	Holyhead ...	30.00	61	SW	3	c	29.91	−.08	60	59	+2	SW	4	ogm	2	c	*	64	56	0.09
	Parsonstown ...	29.97	63	W	1	c	29.85	−.13	59	58	−2	Z	0	or	*	c,r	7.2	66	59	0.08
	Valencia ...	30.03	61	SW	3	ogm	29.90	−.16	59	59	−3	SW	3	rmg	3	ogm	0.0	62	58	0.14
	Roche's Point ..	30.05	63	WSW	3	c	29.93	−.13	63	61	+1	WSW	4	c	3	c	*	68	58	—
	Pembroke (St. Ann's Hd.)	30.07	63	W	4	b	29.99	−.07	62	60	+1	SW	4	0	4	b	6.2	63	60	—
	Scilly	30.14	65	WSW	2	bc	30.04	−.08	65	61	+3	SSW	4	b	1	bc	11.8	70	59	—
	Prawle Point ...	30.15	61	WSW	2	bc	30.08	−.05	62	59	0	SSW	3	b	2	bc	*	66	56	—
	Jersey (St. Aubin's)	30.14	66	W	3	bc	30.10	−.02	64	61	+1	NE	1	bm	1	bc,w	*	71	50	—
	Hurst Castle ...	30.09	66	WSW	3	bc	30.08	−.01	65	61	+4	SW	3	bc	2	c,bc	*	71	59	—
	Dungeness ...	30.05	65	WSW	4	bc	30.07	+.03	63	59	−1	SW	1	bc	1	bc	*	70	55	—
	North Foreland	30.05	67	NW	1	c	30.08	+.05	64	59	+1	SW	2	bc	2	b,c	*	71	55	—
	London (Brixton) ...	30.06	69	W	1	bc	30.07	.00	64	60	+2	SW	2	c	*	bc,c	10.1	75	54	—
	Oxford	30.09	60	W	2	b	30.03	−.04	62	59	+3	S	3	c	*	b	*	72	55	—
	Cambridge ...	30.03	67	W	1	0	30.03	−.01	61	58	0	SW	3	bw	*	b,0	11.5	74	51	—
	Yarmouth ...	30.00	69	WNW	2	b	30.01	+.04	63	58	0	SW	1	b	2	b	*	72	55	—
GERMANY & HOLLAND.	Cuxhaven ...	29.97	63	NW	2	c	30.06	+.21	59	57	−6	SW	2	b	*	c	*	66	55	—
	Berlin	29.95	72	Z	0	b	30.13	+.19	59	56	−4	WNW	2	b	*	b	*	86	57	—
	Wiesbaden ...	*	*	*	*	*	30.13	+.10	64	62	0	N	1	c	*	*	*	82	59	—
	Munich... ..	30.17	71	SW	3	b	30.22	+.05	64	59	−1	SW	3	b	*	b	*	83	59	—
	The Helder ...																*			
BELGIUM.	Brussels ...	*	*	*	*	*	30.12	+.08	60	57	+1	SSW	1	b	*	0	*	72	51	—
	Cape Gris Nez...	?	64	W	4	bc	?	?	64	60	0	W	1	bc	0	bc	*	70	59	—
	Paris	30.12	67	NW	3	0	30.14	+.04	58	56	−3	NNE	1	bc	*	0	*	72	56	—
	Brest	30.15	64	N	3	b	30.08	−.04	57	55	−4	ENE	1	b	1	b	*	68	52	—
	Lorient... ...	30.12	66	NW	1	bc	30.07	−.06	61	59	−3	N	2	b	2	bc	*	77	59	—
FRANCE	Rochefort ...	30.04	72	NW	3	c	30.04	.00	67	64	+3	E	3	0	*	c	*	81	63	—
	Belfort	30.14	77	W	3	bc	30.10	+.05	66	61	−1	E	1	m	*	bc	*	88	59	—
	Lyons	30.04	82	SE	1	b	30.11	+.01	67	62	+1	SSE	1	b	*	b	*	91	66	—
	Nice	30.07	74	SW	2	bc	30.12	+.02	73	66	0	E	1	b	0	bc	*	86	66	—
	Perpignan ...	30.06	71	NNE	1	bc	30.12	+.01	67	66	+3	NNE	1	0	*	bc	*	82	64	—
	Biarritz ...	29.99	71	NNE	3	b	30.00	−.04	67	66	−1	E	2	m	2	b	*	73	64	—
PENINSULA.	Corunna ...																*			
	Lisbon	30.06	68	N	3	bc	30.11	+.03	69	63	+3	NNE	3	b	*	bc	*	77	64	—
	Azores (P. Delgada)	30.06	67	NE	2	bc	30.08	+.05	70	67	−1	NE	3	c	3	bc	*	75	68	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

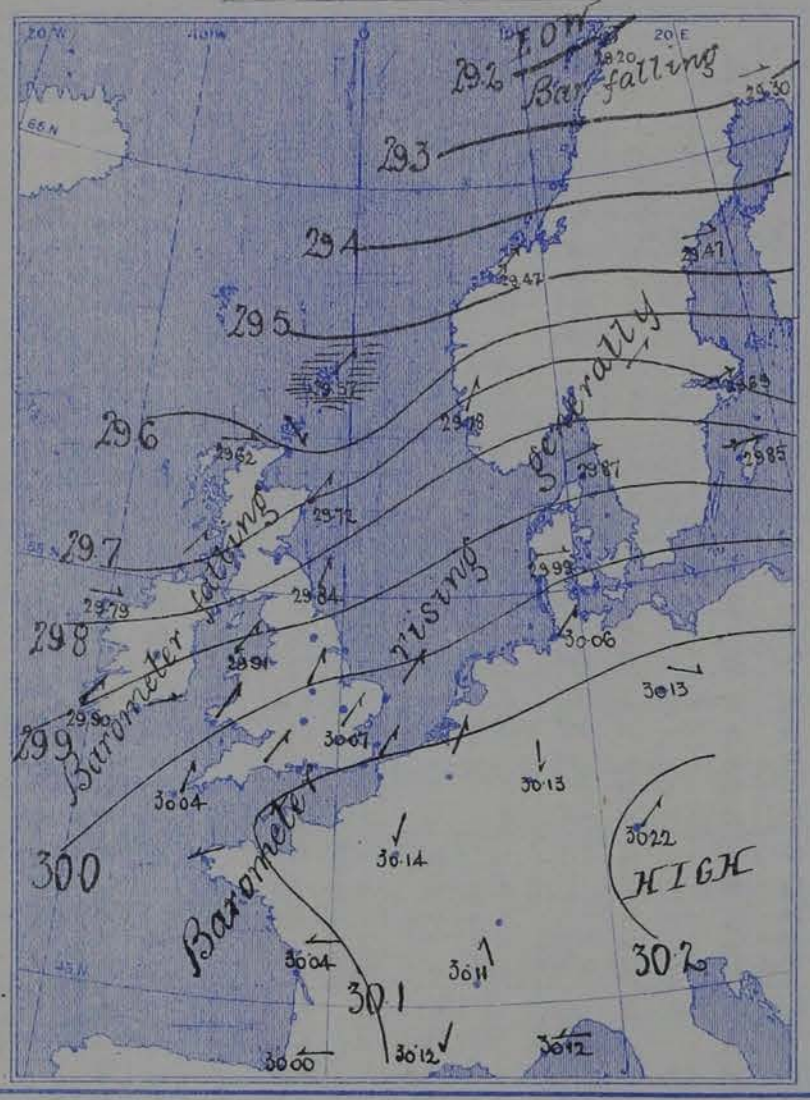
Bright Sunshine yesterday Southport 3·0 hrs;

WEATHER CHARTS

FOR Sunday, 11th September, 1898

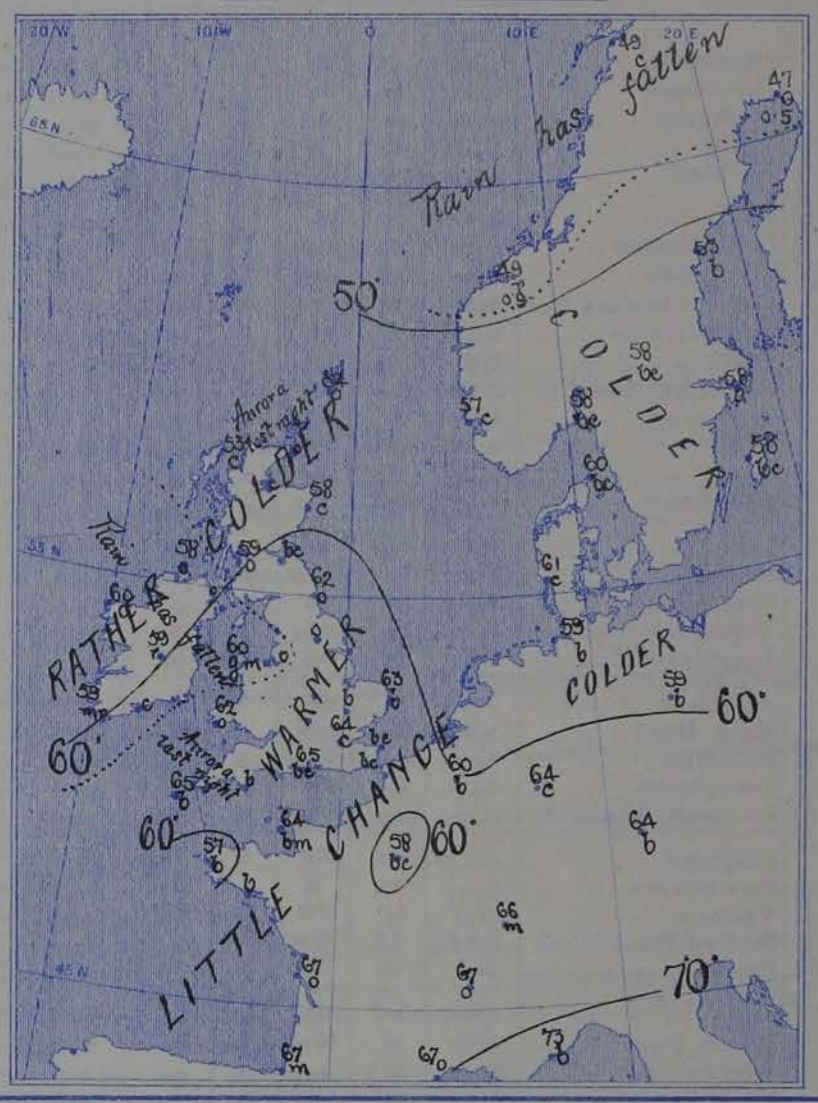
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough : *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·22 in: at Munich; 30·1 in: and upwards in an anticyclone lying over the greater part of Germany and France and also south of Spain.
Lowest, 29·2 in: and low, in a depression lying off the northern parts of the Norwegian coast.
Gradients moderate over Scandinavia and the northern parts of the North Sea, but slight elsewhere.
Barometer falling over the western and central parts of the United Kingdom, but rising in most other localities.

TEMPERATURE

Highest, 73° at Nice, 69° at Lisbon, 67° at Rochefort, Biarritz and Lyons, 66° at Belfast, and 65° at Mount Cenis.
Lowest, 47° at Haparanda, 49° at Bodö and Christiansund, 53° at Hernösand and Stornoway, and 54° at Lerwick Head.
The temperatures registered yesterday over the east and southeast of England were much lower than of late; in London the thermometer reached 76°, but at the other stations it ranged between 70° and 74°.

WIND

Light to moderate from the SW^ly over our Islands, the North Sea and Denmark; strong from the same quarter or from the W^ly at many of the Scandinavian stations, with a gale at Christiansund and Thorshavn.
Light from the E^ly (NE to SE) over the greater part of France.

WEATHER

Fine over the south and east of England, and also at most of the Continental stations.
Cloudy or dull in the west and north of our Islands generally and also in the west of Norway, with rain in the south of Ireland as well as at Christiansund.
Slight rain fell yesterday in Ireland, the northwest of England, and the west and north of Scotland. Aurora was seen at night at Thiel and Scilly.

SEA

Moderate to smooth generally, but rather rough at Lerwick Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 12 SEPT: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.69	59	55	SW	6	o	4
Sumburgh Head	29.41	59	54	WSW	7	c	6
Stornoway	29.56	59	55	WNW	6	c	6
Aberdeen	29.66	70	57	SW	5	bq	4
Shields	29.87	65	58	SW	3	o	2
Ardrossan	29.85	64	61	WSW	2	c	1
Malin Head ...	29.83	61	60	W	5	bc	4
Belmullet	29.94	61	58	W	2	c	*
Holyhead	30.01	62	60	SW	4	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.06	62	60	SW	3	og	4
Scilly	30.14	68	62	WSW	2	bc	1
Jersey	30.15	69	62	N	2	bc	2
Hurst Castle ...	30.10	69	62	WSW	4	c	3
Dungeness ...	30.05	68	62	WSW	3	bc	2
North Foreland	30.06	68	61	? SE	3	bc	2
London (Westminster)	30.05	75	61	WNW	3	bc	*
Yarmouth ...	29.99	71	58	WNW	3	b	2
Rochefort ...	30.08	75	69	NW	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over the greater part of our Islands and the Continent, but foggy or misty over Belgium and the north of France. Cloudy at several of the Russian and Scandinavian stations, with rain at Stockholm, Riga, and Moscow. A little rain falling later in Ireland, the northwest of England and the west and north of Scotland; aurora seen at Wick and Scilly.

Temperatures rises in Ireland and the north of Scotland, as well as in Sweden and northern Russia, changed unequally elsewhere. Morning readings highest 80° at Barcelona, 76° at Algiers, 75° at Malta, and 74° at Toulon and Sanguinaire; above 70° at most of the Mediterranean and Adriatic stations. Lowest 42° at Ulealong and Kuopio, 48° at St Petersburg, and 44° at Moscow. Rising during day to 70° and upwards over the central and southern parts of England, and to 74° at Cambridge. Exceeding 80° over Germany and the southern parts of France, and reaching 91° at Lyons.

Winds light to fresh from the W^ard or SW^ard over the northern parts of our Islands as well as in Denmark and the south of Scandinavia, S^ly or SE^ly over the northern part of Russia and Scandinavia. Light from the NW^ard over the south of England and the north of France. Variable over southern Europe generally. Subsequently backing to the SW^ard in the south of England; no important change occurring elsewhere.

Barometer highest 30·26 ins. at Haparanda; 30·0 ins. and upwards in an anticyclone lying over central and southern Europe generally, and extending over the southern parts of England and Ireland. Lowest 29·5 ins. and less. in a large depression lying to the northward of our Islands, and also in a secondary system over the central part of Scandinavia; 29·6 ins. and less. in another disturbance over Central Russia. Depression in north subsequently moving eastwards, but further secondary systems beginning to approach our western coast.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 12th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather	Hours of Bright Sunshine	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.47	48	W	2	b	29.65	+.35	48	44	+1	NE	0	b	*	b	*	55	34	-
	Hernösand ...	29.68	47	NE	0	b	29.68	+.21	46	40	-5	NE	0	r	*	b	*	66	43	-
	Stockholm ...	29.84	57	SW	2	b	29.75	+.06	54	54	-4	S	2	r	*	b	*	64	52	-
	Wisby	29.92	58	W	4	b	29.85	+.16	50	57	+1	SSW	4	bc	*	b	*	66	54	-
	Karlstad ...	29.80	57	SSW	4	b	29.59	-.13	57	56	-1	SSW	8	r	*	b	*	*	*	0.12
	Bodö	29.49	50	SW	6	c	29.56	+.36	48	46	-1	[illegible]	2	c	1	c	*	52	45	0.59
	Christiansund ...	29.63	?	WSW	5	o	29.56	+.09	50	48	+1	[illegible]	0	o	4	r,o	*	50	48	0.79
	Skudesnaes ...	29.70	58	SW	2	o	29.61	-.17	56	54	-1	WNW	6	o	3	o	*	60	54	*
	Færder (Christiania Fjord)	29.78	?	SSW	6	o	29.56	-.21	58	57	0	SW	6	c	4	o	*	59	39	-
	Skagen (The Scaw)	29.84	59	SW	3	o	29.69	-.18	59	58	-1	WSW	3	m	0	o	*	64	54	0.12
	Fanö	29.87	61	SW	4	bc	29.78	-.21	62	60	+1	WSW	4	c	*	bc	*	68	61	-
BRITISH ISLANDS.	Sumburgh Head	29.59	55	WSW	2	o	29.67	+.10	51	49	-3	W	3	o	4	o	*	58	47	0.06
	Stornoway ...	29.59	53	W	1	c	29.81	+.19	49	47	-4	W	3	o	3	or,c	1.1	58	44	0.23
	Wick	29.63	55	NW	1	r	29.79	+.24	50	47	-5	NW	5	bc	2	r	*	58	45	0.60
	Nairn	29.68	60	W	1	c	29.85	+.19	50	48	-10	W	1	c	1	c,r	*	62	44	0.29
	Aberdeen ...	29.62	58	SW	2	og	29.86	+.14	54	48	-4	W	2	bw	1	p,og	0.4	62	45	0.01
	Leith	29.66	64	SW	1	c	29.91	+.17	53	49	-11	W	3	b	*	c	*	66	49	0.09
	Shields	29.72	63	SW	1	o	29.93	+.09	52	50	-10	WSW	2	b	2	r,o	*	66	49	0.05
	Spurn Head ...	29.82	65	SW	4	bc	29.96	+.02	58	56	-6	W	4	b	3	bc	*	69	56	-
	York	29.80	65	S	2	c	29.99	+.07	57	52	-6	NW	1	b	*	o	1.1	67	50	-
	Loughborough ...	29.86	67	SW	1	b	30.03	+.03	55	53	-7	W	2	bcw	*	c,b,bc	*	71	53	-
	Ardrossan ...	29.68	58	SW	3	op	29.94	+.19	55	51	-4	NW	2	o	1	op	*	59	51	0.06
	Malin Head ...	29.69	56	W	5	bcp	29.96	+.33	54	53	-4	W	4	bcp	3	o,bcp	*	62	53	0.05
	Belmullet ...	29.83	58	NW	4	bc	30.09	+.30	55	51	-5	WNW	3	b	*	c,bc	*	63	51	0.03
	Donaghadee ...	29.73	59	SW	4	op	30.03	+.22	54	52	-6	WSW	4	c	2	op	*	60	47	0.29
	Liverpool (Bidston)	29.81	62	SW	3	o	30.04	+.12	56	51	-6	WNW	4	c	4	bc,p	*	66	55	0.03
	Holyhead ...	29.81	60	SW	4	crf	30.06	+.15	56	53	-4	NW	4	bc	3	c,rf	*	62	52	0.35
	Parsonstown ...	29.85	60	W	1	bc	30.11	+.26	53	51	-6	W	1	c	*	r,bc	0.7	62	47	0.30
	Valencia ...	29.96	60	NNW	5	o	30.19	+.29	56	54	-3	WNW	4	o	5	c,o	1.8	62	54	0.30
	Roche's Point ..	29.89	61	NW	3	cm	30.19	+.26	56	52	-7	WNW	3	c	3	cm	*	65	50	0.08
	Pembroke (St. Ann's Hd.)	29.91	62	WSW	5	o	30.12	+.13	56	53	-6	W	4	b	4	c,o	3.2	63	53	-
	Scilly	30.00	65	WSW	4	c	30.12	+.08	60	57	-5	WNW	4	c	2	b,cl	11.3	71	56	0.01
	Prawle Point ...	29.97	62	SW	3	bc	30.08	.00	61	56	-1	WNW	3	bc	2	bc,cl	*	66	56	-
	Jersey (St. Aubin's)	29.99	67	NNW	3	b	30.04	-.06	63	61	-1	NW	3	c	3	b,tlr	*	74	59	0.11
	Hurst Castle ...	29.97	64	WSW	3	bc	30.03	-.05	61	58	-4	N	3	c	1	bc,l	*	70	58	-
	Dungeness ...	29.95	65	SW	3	b	29.97	-.10	64	60	+1	W	2	cp	1	b	*	68	57	-
	North Foreland	29.94	63	S	2	b	29.97	-.11	63	60	-1	W	2	c	0	b	*	71	56	-
	London (Brixton) ...	29.91	70	SW	3	bv	30.03	-.04	59	57	-5	W	2	op	*	bv,bcl	8.0	79	56	0.04
	Oxford	29.95	61	SW	2	b	30.04	+.01	60	55	-2	N	1	c	*	b	*	74	57	-
	Cambridge ...	29.89	70	SW	3	b	30.01	-.02	60	55	-1	NW	1	b	*	b,l	10.7	78	52	-
	Yarmouth ...	29.88	68	S	3	b	29.94	-.07	60	57	-3	WNW	3	bc	2	b	*	74	55	-
GERMANY & HOLLAND.	Cuxhaven ...	29.96	61	W	1	b	29.86	-.20	59	58	0	WSW	2	b	*	b	*	72	54	-
	Berlin	30.03	67	NE	0	b	29.95	-.18	61	58	+2	S	2	b	*	b	*	73	57	-
	Wiesbaden ...	*	*	*	*	*	30.05	-.08	61	59	-3	SW	1	c	*	*	*	77	57	-
	Munich... ..	30.13	68	SW	5	c	30.12	-.10	68	60	+4	SW	5	c	*	c	*	82	59	-
	The Helder ...	29.91	61	SSW	1	b	29.89		63	60		WNW	2	c	1	b	*	70	54	-
BELGIUM.	Brussels ..	*	*	*	*	*	30.02	-.10	57	54	-3	W	2	r	*	b	*	77	54	-
	Cape Gris Nez ...	?	64	WSW	5	bc	?	?	63	60	-1	NW	2	o	2	bc	*	68	59	-
	Paris ...	29.98	71	E	1	b	30.01	-.13	60	59	+2	E	3	b	*	b	*	80	58	-
	Brest ...	29.98	63	N	2	bc	30.04	-.04	59	57	+2	N	3	b	2	bc	*	72	52	0.12
	Lorient	29.95	71	NW	3	c	30.08	+.01	61	59	0	NNW	3	c	2	c	*	81	59	0.04
FRANCE &	Rochefort ...	29.96	79	W	1	bc	29.95	-.09	68	68	+1	WNW	3	o	*	c,bc	*	90	64	-
	Belfort	29.97	80	WSW	1	c	29.98	-.12	66	59	0	W	1	o	*	c	*	89	59	-
	Lyons	29.99	80	WSW	1	b	29.99	-.12	67	63	0	S	1	o	*	b,l	*	91	64	-
	Nice	30.06	73	SE	0	bc	30.04	-.08	71	64	-2	SE	0	b	1	bc	*	86	66	-
	Perpignan ...	30.01	71	NE	2	c	30.04	-.08	66	65	-1	S	1	b	*	c	*	78	61	-
	Biarritz ...	29.95	72	SE	0	c	30.01	+.01	70	67	+3	WNW	3	o	2	c,l	*	77	66	0.04
PENINSULA.	Corunna ...																*			
	Lisbon	30.15	69	N	3	b	30.13	+.02	70	65	+1	NNW	4	c	*	b	*	79	66	-
	Azores (P. Delgada)	30.18	71	E	1	b	30.21	+.15	72	67	+2	NNE	1	bc	3	b	*	77	68	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0.3 *hrs;*

WEATHER CHARTS

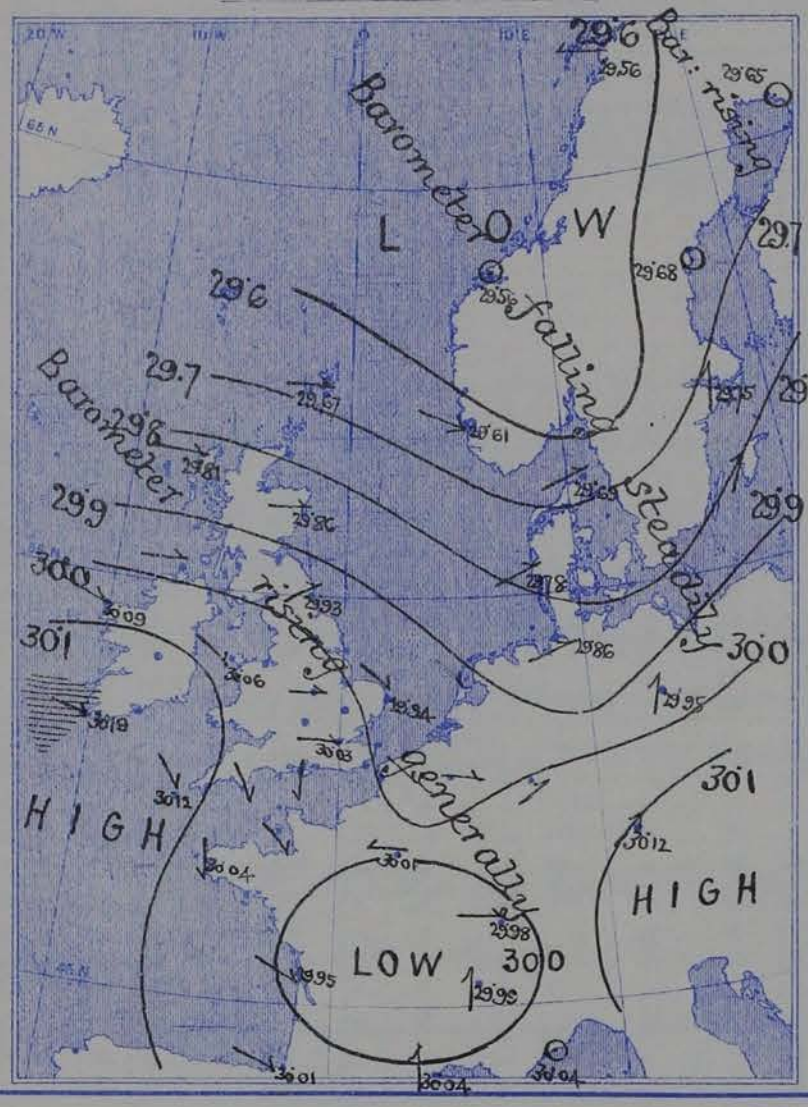
FOR Monday 12th September, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; *Force 1 to 4* ⟶ ; }

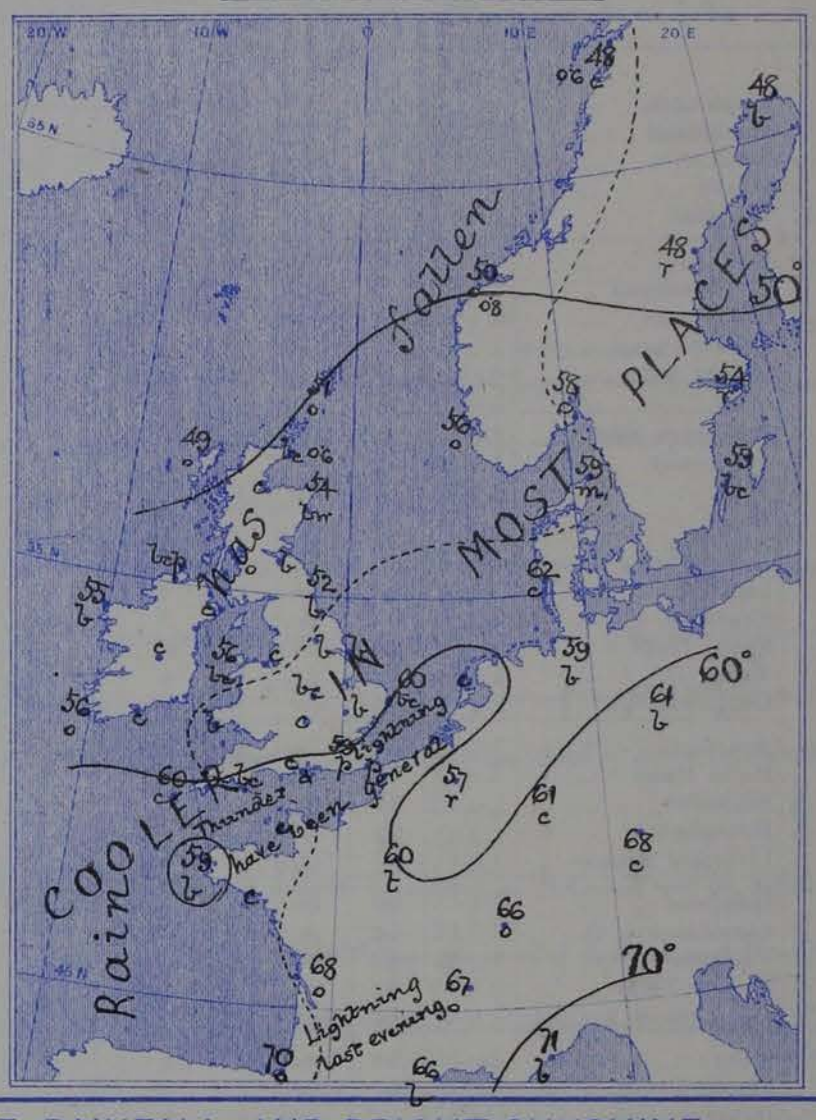
SEA—Rough ▤ : *High* ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.*



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: and upwards, in an anticyclone lying over the southwestern parts of our Islands, and also in another system over South Germany.
Lowest, 29·6 ins: in a large shallow depression over Norway; 30·0 ins: and less, in a still shallower disturbance over Central France.
Gradients slight. Barometer rising in our Islands and France, but falling in Scandinavia, Denmark and Germany.

TEMPERATURE

Highest, 71° at Nice, 70° at Biarritz and Lisbon, and 68° at Rochefort and Munich; highest in our Islands 64° at Dungeness and 63° at Jersey and the North Foreland.
Lowest, 48° at Haparanda & Hernösand, 49° at Stornoway, and 50° at Christiansund, Wick, and Naim.
During yesterday the thermometer rose to 70° and upwards over the central and southern parts of England, to 78° at Cambridge, and to 79° in London.

WIND

Light to moderate from the W.ly over the northern parts of our Islands; SW.ly in Denmark and the south of Scandinavia with a gale at Karlstad; calm or variable over the northern parts of Scandinavia.
Light from the NW.ly on our southern coasts and also in the north and west of France; calm or S.ly in the south of France.

WEATHER

Fine over the greater part of our Islands, but showery in the southeast of England.
Cloudy or dull at most of the Continental stations, with rain in Sweden; thunder is reported at Paris; fine in the extreme south of France.
Rain fell yesterday in the east and north of our Islands generally, and showers during the night at some of our southern stations.
Thunderstorms occurred last night at Prawle Point and Jersey, and lightning was seen in many parts of the south and east of England.

SEA

Moderate to smooth generally, but rather rough at Valencia (Ireland)

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the southwest appears to be spreading eastwards, and fine weather is probable in our southern districts. It is not unlikely, however, that fresh disturbances will shortly appear off our extreme northern or northwestern coasts.

FORECASTS

For the 24 hours ending at NOON on 13th SEPT: 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W.ly to SW.ly winds, moderate or fresh; cloudy, some rain.
1 SCOTLAND EAST	W.ly winds, light; fair generally.
2 ENGLAND N.E.	
3 ENGLAND EAST	NW.ly winds, light; fair generally.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	NW.ly to W.ly winds, light; fair generally.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as Nos 3 to 5.
9 IRELAND NORTH	W.ly and SW.ly winds, moderate; fair at first, some showers later.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.80	60	57	SSW	4	0	3
Sumburgh Head							
Stornoway ...	29.60	57	52	W	2	6r	2
Aberdeen ...							
Shields ...							
Ardrossan ...							
Malin Head ...	29.66	62	60	S	3	0	3
Belmullet ...	29.76	62	59	W	5	c	*
Holyhead ...							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia ...							
Scilly ...							
Jersey ...	30.03	71	66	SE	2	b	2
Hurst Castle ...							
Dungeness ...	29.93	67	61	SW	3	b	2
North Foreland	29.98	71	61	SE	4	b	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.00	83	75	NW	2	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 4TH TO THE 10TH SEPTR. 1898.

Early in the week the weather in all but the eastern parts of Europe was influenced by a large anticyclone, the central portion of which lay at first over England and afterwards over the North Sea and Germany. Over the southern half of Western Europe the winds were therefore E, while in the northern parts it was S or SW the weather being generally fine and warm, but with fog or mist in places. Over Great Britain the thermometer was exceedingly high the daily maxima in Scotland between the 4th and 6th being in many cases the highest recorded in any September since at least the year 1871. Over Eastern Europe the weather was affected by a well marked depression over Central Russia, rain being reported in many parts of that country and also in Eastern Germany.

Towards the middle of the week the anticyclone moved eastwards, while depressions began to travel northwards along our extreme western coasts, so that the weather in Ireland and Scotland became cooler and less settled with rain in many places. Over England, however, the thermometer continued to rise, and on the 8th reached a maximum of 90° or slightly above it in many places, the readings being several degrees higher than in any September since 1868. A depression was at this time remaining almost stationary off our northern coasts, and later on shallow secondary systems advanced eastwards directly across the Kingdom, further showers being reported in many of the northern districts, but an almost entire absence of rain in the south. The W. and NW. winds which set in in the rear of these disturbances were, however, attended by cooler weather, and in some parts of England the maximum temperatures on the 10th were nearly 20° lower than those of the 8th. Bright Aurora was seen in most parts of the United Kingdom on the 9th, and again in some places on the 10th.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 13th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.64	47	2	0	0	29.48	− ·17	50	49	+ 2	WSW	2	c	*	0	*	54	37	0.24
	Hernösand ...	29.55	51	N	2	0	29.69	+ ·01	46	42	− 2	W	2	b	*	0	*	54	39	0.16
	Stockholm ...	29.67	59	SW	4	c	29.77	+ ·02	55	52	+ 1	SW	2	0	*	c	*	64	52	0.04
	Wisby	29.78	59	SW	4	b	29.86	+ ·01	55	52	− 4	NW	6	b	*	b	*	64	52	—
	Karlstad ...	29.66	56	WSW	2	b	29.80	+ ·21	50	46	− 7	W	4	b	*	b	*	*	*	—
	Bodö	29.55	48	2	0	c	29.55	− ·01	47	45	− 1	ESE	2	0	1	c	*	55	45	0.12
	Christiansund ...	29.66	50	SW	2	0	29.66	+ ·10	47	45	− 3	WSW	4	r	3	0	*	52	46	0.35
	Skudesnaes ...	29.83	53	NW	4	0	29.82	+ ·21	54	48	− 2	NW	6	c	3	r, 0	*	57	50	*
	Færder (Christiania Fjord)	29.69	59	W	4	b	29.81	+ ·25	55	50	− 3	WSW	4	b	3	b	*	61	52	—
	Skagen (The Scaw)	29.79	56	WNW	5	b	29.91	+ ·22	56	51	− 3	NW	4	bc	1	b	*	63	52	—
	Fanö	29.93	55	WNW	4	b	29.99	+ ·21	57	51	− 5	WNW	4	c	*	b	*	63	54	—
BRITISH ISLANDS	Sumburgh Head	29.70	50	W	3	0	29.74	+ ·07	51	50	0	WSW	1	0	3	c, 0	*	55	47	0.05
	Stornoway ...	29.80	52	W	3	0	29.70	− ·11	53	52	+ 4	WNW	3	0	3	0	0.9	54	46	0.33
	Wick	29.80	51	NW	4	0	29.77	− ·02	53	51	+ 3	SW	3	0	2	0	*	57	45	0.05
	Nairn	29.85	53	W	2	c	29.78	− ·07	53	52	+ 3	2	0	c	1	c	*	62	48	0.03
	Aberdeen ...	29.89	56	WSW	2	0g	29.85	− ·01	52	51	− 2	SW	3	0	2	c, 0g, r	8.2	61	48	0.11
	Leith	29.94	54	W	4	0	29.88	− ·03	56	51	+ 3	SSW	2	c	*	0	*	64	51	—
	Shields	30.00	57	W	2	c	29.98	+ ·05	54	51	+ 2	SSW	3	0	2	bc, c	*	64	51	—
	Spurn Head ...	30.02	60	W	4	c	30.05	+ ·09	56	53	− 2	WSW	4	b	3	c	*	63	52	—
	York	30.06	57	WNW	2	bc	30.03	+ ·04	56	52	− 1	S	2	bc	*	bc	7.5	63	50	—
	Loughborough ...	30.11	57	WNW	1	bc	30.09	+ ·06	55	52	0	SSW	1	c	*	bc, c	*	67	48	—
	Ardrossan ...	29.98	55	WSW	3	0	29.87	− ·07	57	55	+ 2	SW	4	0	3	c, 0	*	61	53	—
	Malin Head ...	29.98	57	W	5	0	29.82	− ·14	57	56	+ 3	S	4	bc	3	c, 0	*	58	53	—
	Belmullet ...	30.06	58	WSW	4	0	29.91	− ·18	58	57	+ 3	WNW	2	0	*	0	*	60	53	0.02
	Donaghadee ...	30.05	57	W	2	0	29.93	− ·10	56	55	+ 2	SW	4	c	2	0	*	61	50	—
	Liverpool (Bidston)	30.09	56	W	3	bc	30.03	− ·01	57	54	+ 1	S	1	c	2	bc	*	60	53	—
	Holyhead ...	30.11	57	SW	2	c	30.00	− ·06	56	56	0	SW	4	dm	3	c	*	63	53	0.02
	Parsonstown ...	30.15	56	2	0	0	29.94	− ·17	61	60	+ 8	W	1	od	*	0	3.9	61	52	0.17
	Valencia ...	30.16	59	WSW	2	0g	30.03	− ·16	61	60	+ 5	W	3	om	4	0, 0g	1.1	62	55	0.27
	Roche's Point ..	30.17	60	WNW	3	0	29.99	− ·20	63	61	+ 7	W	3	c	3	c, 0, r	*	63	55	0.18
	Pembroke (St. Ann's Hd.)	30.16	58	NW	4	c	30.03	− ·09	57	57	+ 1	SW	5	d	4	c	8.3	60	56	0.11
	Scilly	30.21	60	NW	3	c	30.14	+ ·02	60	60	0	SW	4	m	2	c	7.4	64	57	0.01
	Prawle Point ...	30.18	60	NNW	3	bc	30.17	+ ·09	60	56	− 1	WSW	3	bc	2	bc	*	73	51	—
	Jersey (St. Aubin's)	30.17	63	NW	4	b	30.21	+ ·17	60	55	− 3	NW	3	bcm	3	p, bc, b	*	67	53	0.03
	Hurst Castle ...	30.10	65	WNW	3	bcm	30.16	+ ·13	60	56	− 1	WSW	1	c	1	bc	*	72	48	—
	Dungeness ...	30.07	63	SSW	2	c	30.13	+ ·16	55	50	− 9	NNW	2	bc	1	c	*	67	49	—
GERMANY & HOLLAND	North Foreland	30.08	62	ENE	3	bc	30.14	+ ·17	59	54	− 4	NW	3	c	2	bc	*	66	54	—
	London (Brixton) ...	30.08	64	NW	2	b	30.15	+ ·12	55	50	− 4	W	2	b	*	bc, b	5.5	71	47	—
	Oxford	30.14	55	W	1	bc	30.12	+ ·08	54	51	− 6	S	2	0	*	bc	*	68	47	—
	Cambridge ...	30.08	61	NNW	1	b	30.12	+ ·11	54	51	− 6	SW	3	b	*	b	8.5	71	45	—
	Yarmouth ...	30.04	60	NNW	2	bc	30.08	+ ·14	57	52	− 3	W	3	b	2	b, bc	*	64	50	—
	Cuxhaven ...	29.95	59	NW	2	0	30.04	+ ·18	55	54	− 4	2	0	0	*	0	*	66	54	0.08
	Berlin	29.91	69	2	0	bc	30.03	+ ·08	58	56	− 3	NW	3	r	*	bc	*	79	55	0.04
	Wiesbaden ...	*	*	*	*	*	30.11	+ ·06	60	56	− 1	N	2	c	*	*	*	75	59	0.28
	Munich... ..	30.06	66	SW	5	c	30.13	+ ·01	59	59	− 9	W	2	r	*	c	*	82	59	0.32
	The Helder ...	30.01	60	NNW	1	bc	30.06	+ ·17	60	54	− 3	WSW	1	0	1	bc	*	63	57	—
FRANCE & BELGIUM	Brussels ...	*	*	*	*	*	30.16	+ ·14	53	52	− 4	SSE	1	0	*	b	*	68	46	0.08
	Cape Gris Nez ..	?	59	SE	1	bc	?	?	59	55	− 4	ESE	1	m	0	bc	*	66	55	0.04
	Paris	30.06	64	2	0	c	30.17	+ ·16	56	55	− 4	NNW	2	m	*	c	*	68	55	0.28
	Brest	30.20	60	N	3	b	30.24	+ ·20	59	54	0	WSW	1	c	1	b	*	66	50	—
	Lorient... ...	30.17	63	N	5	b	30.25	+ ·17	56	54	− 5	N	3	bc	2	b	*	72	54	—
	Rochefort ...	30.04	72	NNW	4	0	30.12	+ ·17	63	60	− 5	NNE	4	bc	*	c, 0	*	75	61	—
	Belfort	29.91	70	WSW	2	0	30.07	+ ·09	59	58	− 7	2	0	f	*	0	*	85	56	0.04
	Lyons	29.96	74	N	1	b	30.10	+ ·11	64	60	− 3	N	2	b	*	b	*	87	62	—
	Nice	29.97	71	SW	1	b	30.01	− ·03	66	60	− 5	E	1	bc	1	b	*	82	63	—
	Perpignan ...	30.01	85	SW	3	0	? 30.07	+ ·03	69	62	+ 3	W	2	c	*	0	*	86	64	0.20
	Biarritz ...	30.04	69	WNW	5	0	30.08	+ ·07	68	65	− 2	NNW	5	0	4	0	*	73	66	0.35
PENINSULA	Corunna ...																*			
	Lisbon	30.10	68	N	6	b	30.10	− ·03	72	61	+ 2	NNE	4	b	*	b	*	75	64	—
	Azores (P. Delgada)	30.25	72	E	4	bc	30.21	·00	69	68	− 3	ESE	3	0	3	bc	*	79	68	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 7.0 hrs;

WEATHER CHARTS

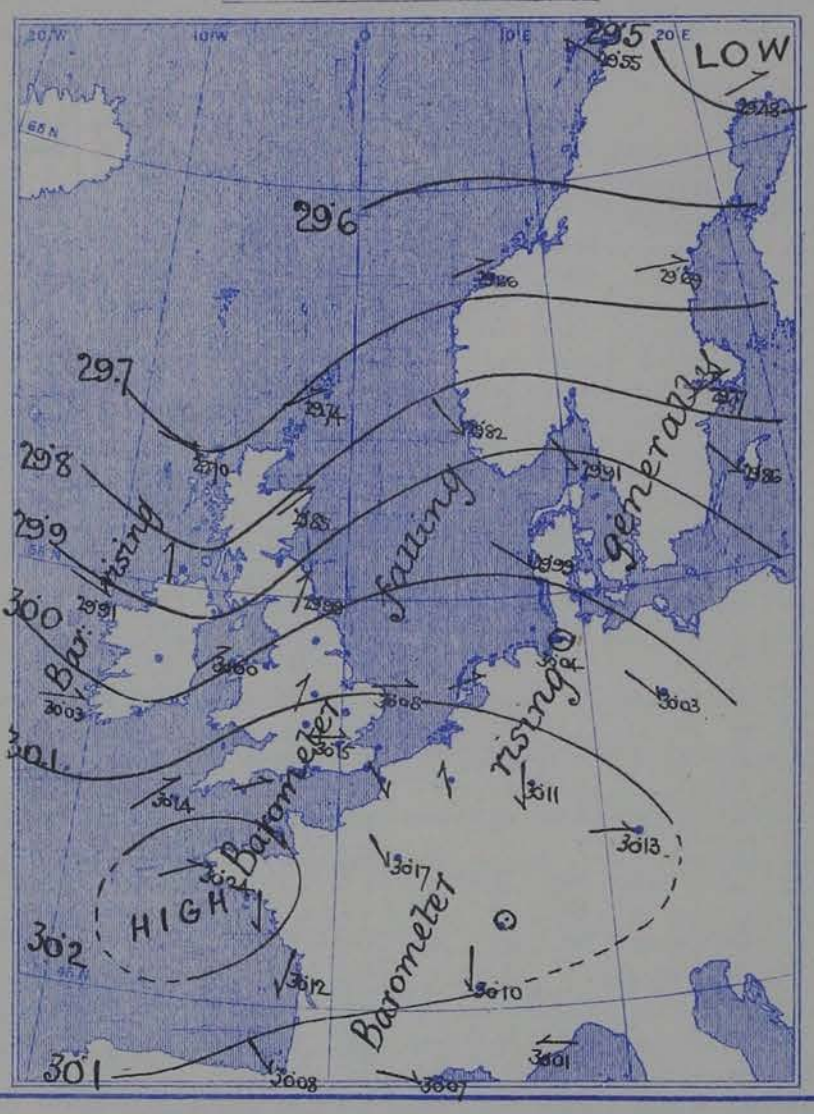
FOR Tuesday, 13th September, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; *Force 1 to 4* ⟶ ; }

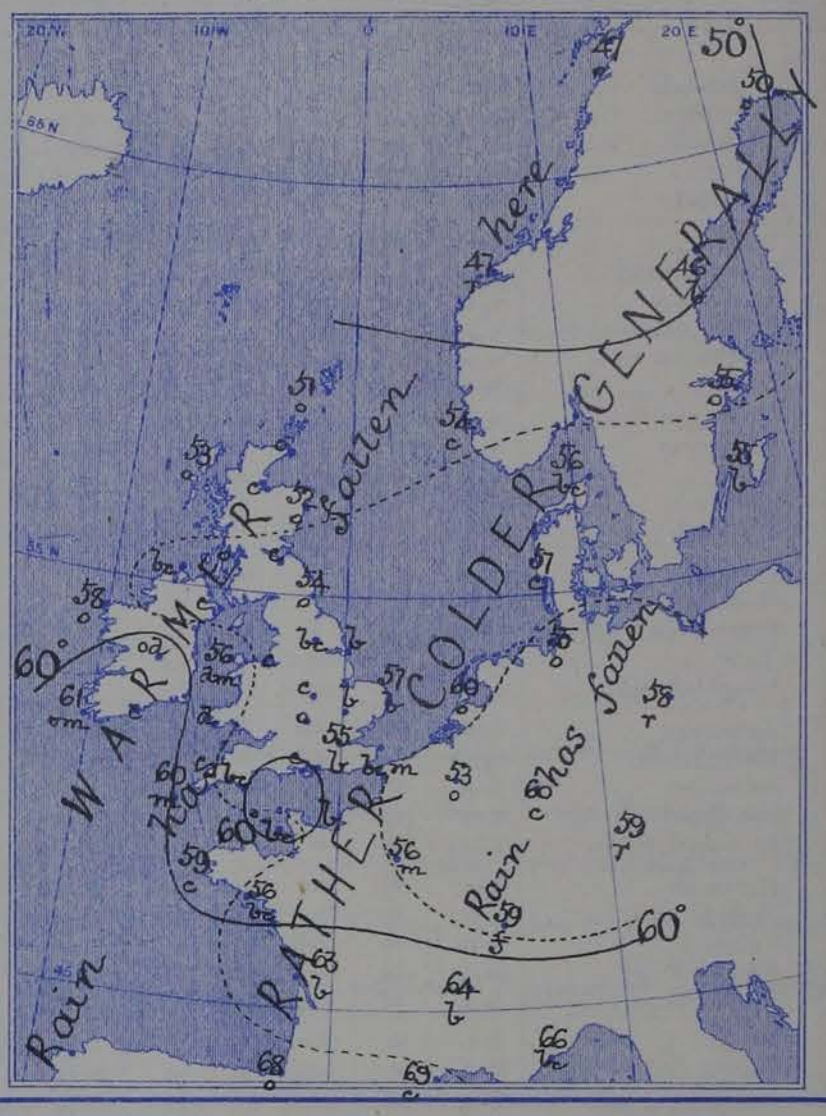
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.*



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF SEPTEMBER.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more to 30.0 ins. over England, France and Germany.
Lowest. Below 29.5 ins. over Lapland, and about 29.7 in. over the Hebrides.
Gradients slight in the south, moderate in the north.
Barometer falling slowly in most places, but a recovery has set in over the W. and N. of Ireland since the early morning.

TEMPERATURE

Highest 69° to 66° in the S. of France, 61° to 63° in the S. of Ireland 60° to 58° over Germany.
Lowest 47° at Bodö and Christiansund, 51° at Stornoway H^d, 52° at Aberdeen, 54° at Shields.
It had gone down considerably over the SE^rn half of England during the night but had risen over Ireland. The highest of the maxima recorded yesterday exceeded 70° slightly in the S. and E. of England and exceeded 80° at Munich and over the S^rn parts of France, but were below 70° elsewhere, and below 60° in the N. of Scotland.

WIND

Varied greatly from between SW. and NW. over our Islands and the North Sea, but were anticyclonic over the Bay of Biscay and the west of France. They were rather fresh on the western coasts of Gt. Britain, light elsewhere, and were veering from SW. towards NW. over Ireland.

WEATHER

Cloudy and showery at our W^rn stations as well as in Germany and at Christiansund.
Very fine over the eastern and southeastern parts of England.
Rain has fallen in the N. and W. generally, and in many parts of Germany and France. Bright Sunshine recorded yesterday ranged from 7 to 8 hrs. over the greater part of England and the E. of Scotland.

SEA

Moderate on our extreme SW. and W coasts, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A "V" shaped disturbance advancing over our Islands from the W^nd, may cause slight rain over England today, but will probably be soon followed by renewed fine weather.

FORECASTS

For the 24 hours ending at NOON on 14th Sept. 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly breezes, some showers, then W^ly and fair.
1 SCOTLAND EAST	
2 ENGLAND N.E.	SW^ly breezes, cloudy, slight rain, then NW^ly again; fair and cool.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Wind shifting to NW. again; fair as a whole and cool.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.78	56	52	WNW	4	r	3
Sumburgh Head	29.72	54	51	W	3	c	3
Stornoway	29.82	54	50	W	4	r	4
Aberdeen	29.88	58	50	W	2	c	1
Shields	29.98	61	52	W	3	bc	2
Ardrossan	29.98	57	53	WSW	2	c	1
Malin Head ...	30.00	57	55	W	5	c	3
Belmullet	30.10	58	54	WSW	0	o	*
Holyhead	30.12	60	57	W	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.20	60	55	WSW	3	o	4
Scilly	30.17	62	58	NNW	3	c	2
Jersey	30.10	65	60	NNW	4	bc	3
Hurst Castle ...	30.06	71	56	NW	3	c	2
Dungeness ...	30.02	65	59	NNE	2	c	1
North Foreland	30.03	65	58	NW	3	bc	1
London (Westminster)	30.03	67	56	NW	2	bc	*
Yarmouth ...	30.02	63	56	N	4	b	3
Rochefort ...	29.99	70	68	NNW	3	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over Russia, central and SE.m Europe, and over the Mediterranean, also over Ireland, Wales and the W.m parts of England; dull and slightly unsettled over France, Belgium and our own SE.m counties, with slight rain in places, thunder at Paris. Some rain later over many parts of France, Germany and Scandinavia, and a renewed fall still later over Scotland and Ireland.

Temperature falling over our Islands and their neighbourhood generally. Morning readings highest 70° to 75° at many of the Mediterranean ~~and~~ Adriatic stations, below 70° over the greater part of France, 62° to 60° over central Germany, and along the S. coast of England. Lowest (1) 48° to 51° on the N.W. coast of Norway and extreme N. of Scotland, (2) 46° at Archangel, 51° at Christiansund & Moscow.

Wind (1) very light and variable over the eastern, central and southern countries; (2) moderate elsewhere — W.ly and NW.ly over the United Kingdom and the Channel; SW.ly to S.ly over Germany, the Baltic and Sweden; E.ly in Finmark. Beginning to back a little in the west of Ireland later.

Barometer rising over our Islands and the N.m parts of Scandinavia. Morning readings highest 30.1 ins. and more to 30.0 ins. over all the SE.m and S.m parts of Europe, as well as over the SW.m half of our Islands. Lowest below 29.6 ins. all over Norway. Rising over our Islands generally, but beginning to fall later on in the extreme W. of Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 14th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.68	49	L	0	b	29.63	+.15	48	44	- 2	nsw	4	b	*	b	*	54	34	-
	Hernösand ...	29.78	48	L	0	0	29.79	+.10	45	43	- 1	S	2	bc	*	0	*	63	41	0.04
	Stockholm ...	29.90	52	S	2	b	29.95	+.18	54	51	- 1	SW	4	bc	*	b	*	63	52	-
	Wisby	29.98	57	nnw	4	b	30.06	+.20	55	53	0	nnw	6	c	*	b	*	59	52	-
	Karlstad ...	29.89	55	w	2	b	29.91	+.11	56	53	+ 6	nsw	6	b	*	b	*	*	*	-
	Bodö	29.57	46	SW	6	r	29.62	+.07	45	42	- 2	SW	6	c	4	r	*	57	45	0.47
	Christiansund ...	29.78	49	SW	4	0	29.61	-.05	47	46	0	SE	3	r	3	0	*	49	46	0.55
	Skudesnaes ...	29.92	57	nsw	4	0	29.73	-.09	58	57	+ 4	SSW	6	of	4	c.o	*	59	52	*
	Færder (Christiania Fjord)	29.88	59	w	4	0	29.84	+.03	57	55	+ 2	SW	6	o	4	o	*	59	55	-
	Skagen (The Scaw)	29.96	55	w	8	b	29.98	+.07	54	53	- 2	SW	3	o	o	b	*	59	50	-
	Fanö	30.06	57	w	2	c	30.05	+.06	60	57	+ 3	nsw	6	c	*	c	*	61	55	-
	Sumburgh Head	29.70	53	SSW	2	o	29.43	-.31	56	55	+ 5	w	5	r	5	c.o	*	58	49	0.31
	Stornoway ...	29.75	55	nnw	4	o	29.75	+.05	54	53	+ 1	nnw	4	or	4	c.o	4.6	60	57	0.20
	Wick	29.76	58	w	4	bc	29.65	-.12	60	58	+ 7	w	3	o	2	bc	*	63	50	0.05
	Nairn	29.79	57	w	2	bc	29.70	-.08	64	59	+ 11	w	3	bc	2	bc	*	67	50	0.01
	Aberdeen ...	29.82	59	SW	3	c	29.75	-.10	66	61	+ 14	SW	4	bcq	2	bcq, cr	3.3	66	52	0.04
BRITISH ISLANDS.	Leith	29.88	59	nsw	2	o	29.85	-.03	63	61	+ 7	nsw	4	o	*	o	*	67	55	-
	Shields	29.92	62	SSW	2	o	29.94	-.04	65	62	+ 11	SW	4	c	2	o,p	*	65	51	-
	Spurn Head ...	30.01	61	nsw	4	o	30.07	+.02	61	61	+ 5	nsw	4	b	3	c,od	*	66	56	-
	York	30.00	62	S	3	o	30.06	+.03	62	60	+ 6	S	2	o	*	c.o	2.7	66	54	-
	Loughborough ...	30.04	62	SW	3	o	30.14	+.05	62	60	+ 7	nsw	3	bcw	*	c.o,bc	*	69	54	-
	Ardrossan ...	29.91	59	w	2	bc.	29.90	+.03	61	60	+ 4	nsw	4	o	3	o,bc	*	63	55	-
	Malin Head ...	29.91	58	w	4	c	29.95	+.13	60	60	+ 3	w	4	rm	3	o,c	*	61	57	0.05
	Belmullet ...	29.98	60	SW	4	o	30.06	+.15	62	61	+ 4	nsw	5	o	*	o	*	62	57	0.03
	Donaghadee ...	29.97	60	nw	3	bc	30.02	+.09	66	64	+ 10	nw	6	bc	4	bc	*	68	55	0.02
	Liverpool (Bidston)	30.02	62	w	3	o	30.11	+.08	64	61	+ 7	SW	1	c	2	o	*	66	57	-
	Holyhead ...	30.03	61	nsw	3	bc	30.12	+.12	61	60	+ 5	nsw	3	c	2	ap,bc	*	64	55	0.03
	Parsonstown ...	30.05	62	w	2	c	30.16	+.22	64	62	+ 3	SW	2	o	*	c	5.6	67	60	-
	Valencia ...	30.12	63	SW	2	omd	30.21	+.18	63	62	+ 2	SW	3	om	4	om, am	0.1	63	60	0.05
	Roche's Point ..	30.08	68	w	2	bc	30.21	+.22	64	62	+ 1	w	3	c	3	bc, l	*	69	60	-
	Pembroke (St. Ann's Hd.)	30.09	62	w	3	b	30.21	+.18	62	61	+ 5	w	3	og	4	c.b	5.2	64	356	0.08
	Scilly	30.15	63	nnw	3	o	30.26	+.12	63	61	+ 3	nsw	2	o	2	mp.o	0.1	65	58	0.05
	Prawle Point	30.14	61	nsw	2	c	30.25	+.08	62	61	+ 2	w	2	op	2	cp	*	65	58	0.06
	Jersey (St. Aubin's)	30.20	61	SSW	4	dm	30.27	+.06	64	62	+ 4	nnw	2	o dmp	2	o, dm	*	66	58	0.16
	Hurst Castle ...	30.12	63	SW	4	om	30.24	+.08	64	61	+ 4	w	2	cm	2	dp,om	*	67	58	-
	Dungeness ...	30.12	63	SW	4	b	30.21	+.08	65	62	+ 10	nsw	2	dp	1	c.b	*	69	55	-
	North Foreland	30.14	62	S	1	b	30.21	+.07	63	61	+ 4	nsw	1	bc	1	b	*	69	57	0.02
	London (Brixton) ...	30.11	63	SW	3	o	30.22	+.07	61	59	+ 6	SSW	2	o	*	c,od	2.4	70	55	-
	Oxford	30.11	61	SW	2	o	30.21	+.09	63	60	+ 9	nsw	2	o	*	p,o	*	66	54	0.01
	Cambridge ...	30.08	65	SW	3	o	30.17	+.05	61	59	+ 7	SW	3	bcw	*	bc.o	7.6	72	53	-
	Yarmouth ...	30.07	65	SW	1	bc	30.14	+.06	63	60	+ 6	nsw	3	bc	2	b,bc	*	67	55	-
GERMANY & HOLLAND.	Cuxhaven ...	30.10	55	SW	1	o	30.15	+.11	52	50	- 3	SSW	3	b	*	o	*	59	48	0.08
	Berlin	30.13	59	w	2	c	30.26	+.23	56	53	- 2	w	1	b	*	c	*	68	52	-
	Wiesbaden ...	*	*	*	*	*	30.31	+.20	52	50	- 8	L	0	b	*	*	*	68	50	-
	Munich... ..	30.23	59	SW	3	c	30.36	+.23	56	54	- 3	w	3	b	*	c	*	68	54	0.63
	The Helder ...	30.11	59	wsw	1	b	30.13	+.07	64	62	+ 14	SW	3	bc	2	b	*	64	48	-
BELGIUM.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	?	63	w	2	b	?	?	64	63	+ 5	w	3	o	3	b	*	66	54	-
	Paris ...	30.20	64	nw	2	b	30.32	+.15	57	55	+ 1	SSW	1	m	*	b	*	69	50	-
	Brest	30.24	63	w	2	o	30.28	+.04	61	61	+ 2	nw	1	o	1	o	*	64	54	0.04
	Lorient... ...	30.25	64	w	3	f	30.30	+.05	64	64	+ 8	L	0	o	2	f	*	72	52	0.08
FRANCE &	Rochefort ...	30.20	66	nnw	4	b	30.28	+.16	62	61	- 1	N	3	bc	*	b	*	75	59	-
	Belfort	30.12	64	nsw	1	m	30.30	+.23	54	53	- 5	L	0	m	*	m	*	72	?	0.04
	Lyons	30.16	68	nne	1	bc	30.28	+.18	60	55	- 4	nnw	3	b	*	bc	*	79	55	-
	Nice	29.99	71	L	0	bc	30.08	+.07	66	63	0	E	3	c	2	bc	*	82	64	-
	Perpignan ...	30.07	75	nw	3	b	30.20	+.13	68	60	- 1	nw	2	b	*	b	*	82	65	-
	Biarritz ...	30.21	66	nw	4	o	30.24	+.16	64	59	- 4	ESE	2	bc	3	o	*	68	61	-
PENIN-SULA.	Corunna ...																*			
	Lisbon	30.04	73	N	5	b	30.05	-.05	73	62	+ 1	nne	5	b	*	b	*	84	72	-
	Azores (P. Delgada)	30.18	70	SSE	3	c	30.10	-.11	71	65	+ 2	ESE	4	c	4	c	*	73	68	0.16

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 1.3 hrs;

WEATHER CHARTS

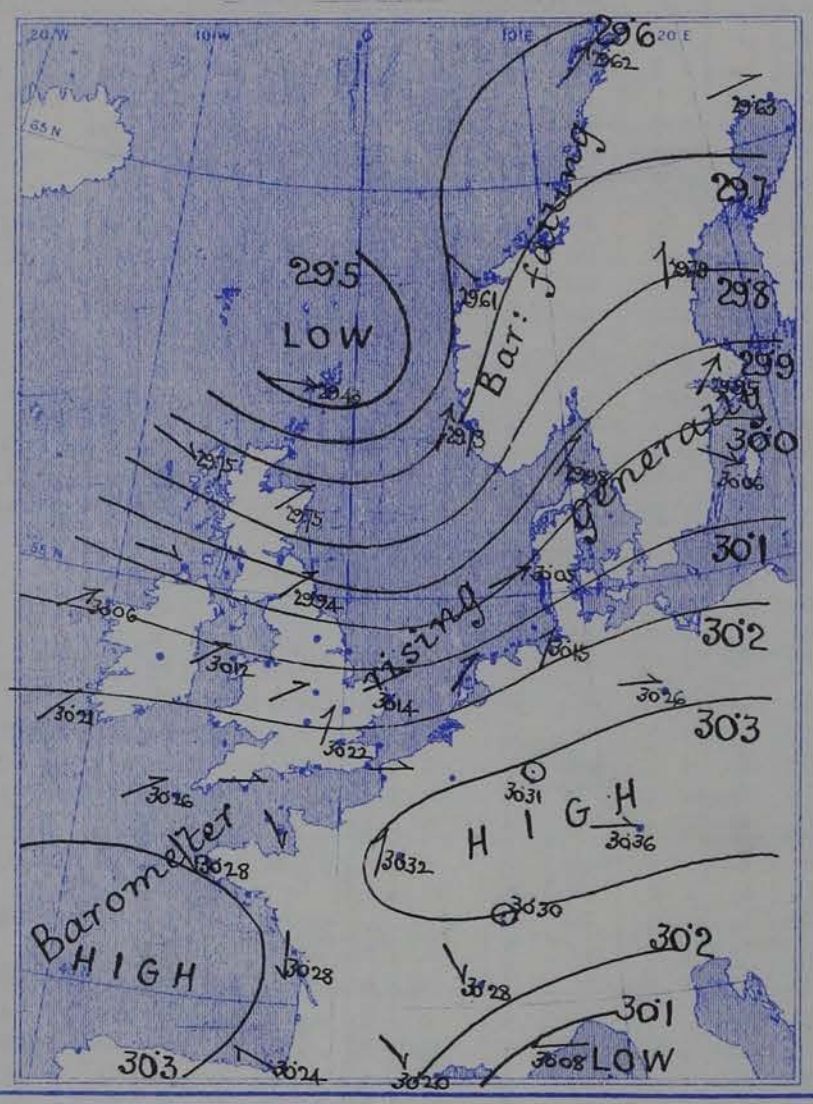
FOR Wednesday, 14th Sept.r 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ➛➛➛➛ ; *Force 5 to 7* ➛➛➛➛ ; } Calm ⊙
Force 8 to 10 ➛➛➛➛ ; *Force 1 to 4* ➛➛➛➛ ; }

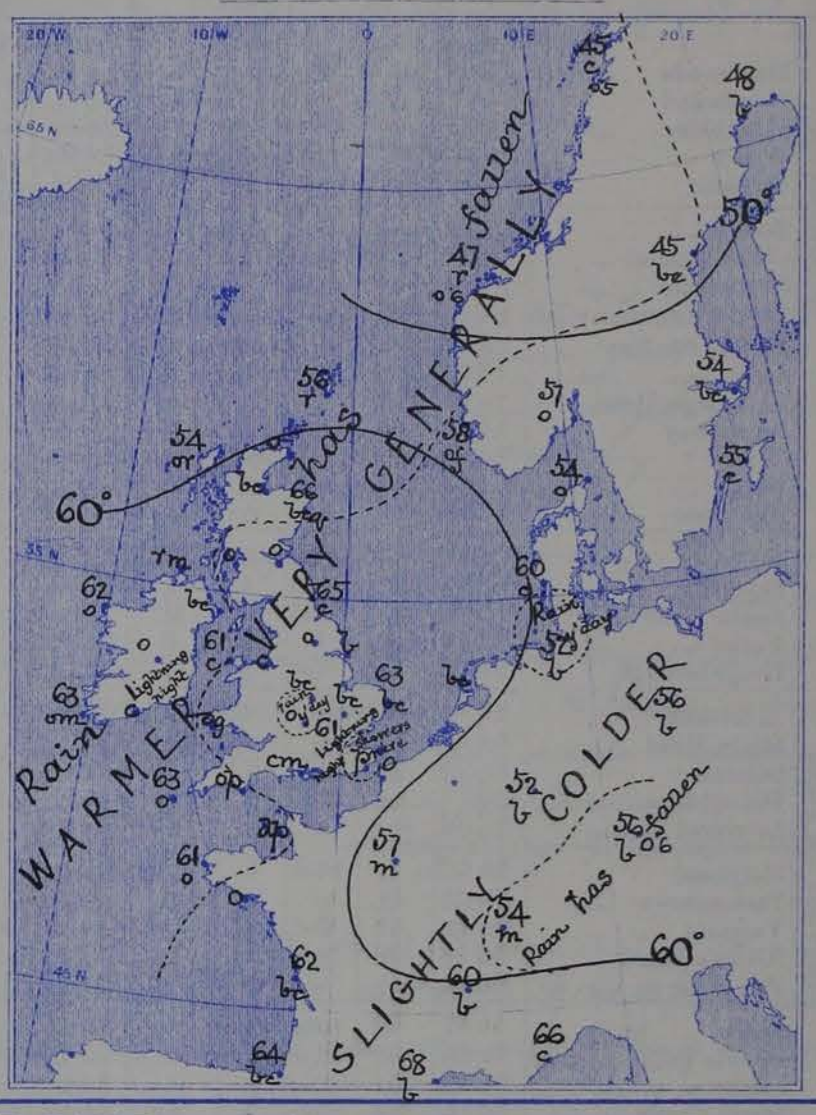
SEA—Rough ▤ ; *High* ▨



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL— { *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.*



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more to 30·1 ins: over Germany, France, the Bay of Biscay and the southern half of our Islands.
Lowest, Below 29·5 ins: and less, over the Shetland Islands, and below 29·7 ins: in Caithness.
Gradients slight in the southern parts of our area, moderate in the north. Barometer rising all over Great Britain and Ireland, falling over Scandinavia.

TEMPERATURE

Highest, 68° to 60° in the south of France, and above 60° almost all over the United Kingdom (66° at Aberdeen).
Lowest. (1) 45° to 48° at the stations in Lapland and the northwest of Norway, 54° at Stornoway and the Skaw; (2) 52° to 57° over Germany, Central France.
It rose during yesterday to 72° at Cambridge, 70° in London, and 69° at several other English stations, and touched 82° at Nice and Perpignan. At Berlin and Paris it did not reach 70°.

WIND

(1) Light and anticyclonic over Germany, France, ~~and~~ the Bay of Biscay, and south of England; (2) W. (SW. to NW.) over over more northern districts, and moderate in force, SW. strong on the eastern shores of the North Sea.

WEATHER

Fine and bright over the Continent as a whole and in several parts of Great Britain, cloudy elsewhere, with slight rain at some western and southeastern stations.
Slight rain has fallen in the west and north generally, as well as in some parts of France; lightning was seen at Rockall and in London last evening.
Bright Sunshine recorded yesterday amounted to nearly 10 hours on some parts of the Sussex coast, but was slighter elsewhere – At Valencia (Ireland) there was hardly any.

SEA

Moderate on our extreme northwest and southwest coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine weather is still probable over England, especially the southern, midland, and eastern counties.

FORECASTS

For the 24 hours ending at NOON on 15th SEPT: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. and SW. winds; changeable, rain at times.	6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST	Varying W. breezes; fair generally, warm.	7 ENGLAND N.W.	W. breezes, light; fair.
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	Same as No 0.
4 MIDLAND COUNTIES	Same as Nos 1 and 2.	10 IRELAND SOUTH	Same as Nos 7 and 8.
5 ENGLAND SOUTH	W. breezes, light; fine, warm.	WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·91	59	54	SW	4	c	3
Sumburgh Head	29·74	55	52	SSW	1	c	3
Stornoway	29·72	59	53	WNW	4	c	4
Aberdeen	29·82	63	57	SW	4	bcq	2
Shields	29·94	62	57	SSW	3	o	2
Ardrossan	29·88	59	57	SW	2	o	2
Malin Head ...	29·89	60	59	WNW	5	bc	2
Belmullet	30·03	60	58	WSW	3	o	*
Holyhead	30·00	63	62	WSW	3	odp	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·10	63	62	W	2	om	4
Scilly	30·12	64	62	W	4	mp	2
Jersey	30·23	65	58	WSW	4	o	3
Hurst Castle ...	30·15	63	60	SW	4	odp	3
Dungeness ...	30·13	68	59	SW	5	c	4
North Foreland	30·14	65	58	E	1	b	1
London (Westminster)	30·12	65	59	SW	3	c	*
Yarmouth ...	30·07	66	56	WSW	3	b	2
Rochefort ...	30·20	73	66	W	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the Mediterranean, southeastern and western Europe, as well as over the eastern parts of England and the greater part of Sweden; cloudy elsewhere with rain at several of our western stations, in the northwest of Norway, and at some stations in Central Europe. Rain falling later over Norway and the north of Scotland, and very slight falls at several of our western stations, and over Brittany. Lightning seen at Rochefort and in London at night.

Temperature fallen over England and France, risen over Ireland. Morning readings highest – above 70° at most of the Mediterranean and Adriatic stations and at Constantinople, and above 60° in many parts of France and Germany, and on the southwestern coasts of the United Kingdom. Lowest (1) 46° to 50° in the extreme north of Europe, 51° at Sumburgh Hd., 52° at Aberdeen, 54° at Shields, (2) 43° at Moscow, 48° at Kharkov. Rising later to between 65° and 72° in many parts of Ireland and England and to 82° in the south of France; to 68° at Berlin and 69° at Paris.

Wind (1) exceedingly light and variable over the western, central, and eastern parts of Continental Europe; (2) Moderate to fresh from W. over the southern part of Ireland, and from SW. over Scilly, Wales, and the northeastern parts of Great Britain; NW. to SW. over the northern parts of Europe. No decided change later, beyond a backing towards S. in the east of Ireland.

Barometer (1) highest 30·2 in. and more to 30·1 in. over the Bay of Biscay, France, and the south of England; (2) 30·1 in. and more over the southern and southeastern parts of Russia. Lowest (1) 29·5 in. and less over Lapland, and below 29·7 in. in the Hebrides and over the northern parts of Scandinavia and Finland; (2) below 30·0 in. in an ill-shaped "V" over Central Europe, Austria, and the Adriatic. Rising later over the western parts of the United Kingdom and in Norway, falling slightly over the east of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 15th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.54	42	Z	0	b	29.26	-.37	40	40	-8	NE	6	r	*	b	*	54	40	0.08
	Hernösand ...	29.38	51	SSE	8	r	29.43	-.36	50	44	+5	WNW	8	bc	*	r	*	54	37	0.24
	Stockholm ...	29.62	55	S	6	r	29.79	-.16	54	46	0	W	8	b	*	r	*	61	48	0.12
	Wisby	29.84	55	W	10	r	29.95	-.11	55	50	0	NW	10	b	*	r	*	61	50	0.20
	Karlstad ...	29.65	57	SSW	6	b	29.91	.00	53	46	-3	SSW	6	b	*	b	*	*	*	0.12
	Bodö	29.46	45	E	2	b	29.43	-.19	46	42	+1	E	2	0	1	b	*	52	41	–
	Christiansund ...	29.49	51	SW	10	r	29.74	+.13	50	46	+3	W	9	r	7	r	*	52	46	0.51
	Skudesnaes ...	29.98	55	WNW	6	c	30.19	+.46	53	51	-5	WNW	6	c	3	c	*	61	52	*
	Færder (Christiania Fjord)	29.71	59	W	4	b	30.00	+.16	56	48	-1	W	6	b	4	b	*	59	54	0.04
	Skagen (The Scaw)	29.88	56	W	5	bc	30.10	+.12	55	50	+1	WNW	6	b	2	bc	*	59	54	0.16
	Fanö	30.12	59	NW	5	c	30.26	+.21	59	54	-1	NW	3	bc	*	c	*	64	55	–
	Sumburgh Head	29.83	53	W	6	c	30.15	+.72	52	48	-4	W	3	0	4	c.o	*	56	50	0.01
	Stornoway ...	30.03	55	W	3	c	30.17	+.42	50	49	-4	Z	0	r	0	c	8.1	59	47	0.15
	Wick	30.01	53	W	5	c	30.23	+.58	53	51	-7	SW	1	r	1	c	*	64	42	0.05
	Nairn	30.01	57	W	1	bc	30.22	+.52	54	52	-10	Z	0	0	1	bc	*	64	46	–
	Aberdeen ...	30.07	59	W	3	b	30.27	+.52	55	51	-11	SW	1	og	1	bq.b	9.0	69	47	–
BRITISH ISLANDS	Leith	30.10	64	W	1	bc	30.26	+.41	55	55	-8	SE	1	m	*	bc	*	70	54	–
	Shields	30.15	64	WSW	3	bc	30.29	+.35	60	59	-5	WSW	2	cm	2	c.bc	*	73	58	–
	Spurn Head† ...	30.20	65	WSW	3	b	30.34	+.27	62	60	+1	SSW	2	c	2	b	*	71	59	–
	York	30.19	69	W	1	bc	30.35	+.29	65	63	+3	WSW	1	b	*	o,bc	3.5	72	57	–
	Loughborough ..	30.24	71	WNW	1	b	30.38	+.24	54	53	-8	ESE	1	bmw	*	bc.bf	*	78	50	–
	Ardrossan ...	30.13	60	WSW	2	o	30.22	+.32	60	60	-1	SW	2	o	1	c.o	*	63	59	0.02
	Malin Head ...	30.16	58	W	2	bc	30.19	+.24	62	62	+2	SSW	2	c	2	o,bc	*	62	56	0.05
	Belmullet ...	30.17	61	W	1	om	30.22	+.16	62	62	0	SSW	3	o	*	om	*	62	60	0.12
	Donaghadee ...	30.18	62	NW	2	d	30.25	+.23	62	61	-4	WSW	3	c	1	d	*	73	57	0.08
	Liverpool (Bidston)	30.23	68	WSW	2	c	30.35	+.24	64	61	0	SSE	1	o	1	c	*	72	61	–
	Holyhead ...	30.22	62	SW	2	cm	30.33	+.21	61	60	0	S	3	f	2	b,cm	*	67	58	–
	Parsonstown ...	30.25	66	W	2	o	?30.30	+.14	64	62	0	Z	0	o	*	c.o	3.4	71	60	–
	Valencia ...	30.26	65	SW	1	om	30.29	+.08	65	63	+2	SSE	1	o	3	om	0.0	66	62	–
	Roche's Point ..	?30.27	64	WSW	2	c	30.33	+.12	62	62	-2	S	1	f	2	c.f	*	66	60	–
	Pembroke (St. Ann's Hd.)	30.27	62	Z	0	f	30.36	+.15	62	61	0	SE	3	og	3	of	0.0	71	60	–
	Scilly	30.30	65	W	1	c	30.32	+.06	64	63	+1	E	1	cw	2	o,c	0.3	67	58	–
	Prawle Point ...	30.32	62	W	2	o	30.37	+.12	60	59	-2	NNE	2	o	2	c.o	*	67	51	–
	Jersey (St. Aubin's)	30.33	67	WNW	2	bc	30.37	+.10	58	57	-6	ENE	1	bmw	1	dp.bc	*	68	53	0.02
	Hurst Castle ...	30.28	66	WSW	3	om	30.37	+.13	62	60	-2	NE	1	cm	1	o,om	*	68	59	–
	Dungeness ...	30.26	64	SSW	3	b	30.37	+.16	62	62	-3	Z	0	f	0	b,f	*	70	52	–
	North Foreland	30.26	68	SSW	3	bc	30.37	+.16	65	63	+2	SSW	1	m	1	b.bc	*	76	58	–
	London (Brixton) ...	30.25	71	WSW	1	bm	30.38	+.16	57	55	-4	Z	0	om	*	b,bfw	7.6	80	55	–
	Oxford	30.31	65	SW	2	b	30.39	+.18	59	58	-4	Z	0	f	*	b,f	*	75	55	–
	Cambridge ...	30.25	74	WNW	1	b	30.39	+.22	60	60	-1	Z	0	omw	*	b	9.3	80	53	–
	Yarmouth ...	30.20	73	WNW	1	bc	30.36	+.22	63	61	0	W	1	b	1	b.bc	*	76	58	–
GERMANY & HOLLAND	Cuxhaven ...	30.17	63	WSW	4	o	30.31	+.16	62	61	+10	W	1	o	*	o	*	66	52	–
	Berlin	30.26	62	Z	0	b	30.32	+.06	62	60	+6	WNW	4	c	*	b	*	68	56	–
	Wiesbaden ...	*	*	*	*	*	30.44	+.13	54	53	+2	Z	0	b	*	*	*	72	52	–
	Munich... ...	30.42	54	Z	0	b	30.49	+.13	53	51	-3	Z	0	b	*	b	*	64	46	–
	The Helder ...	30.26	64	SW	1	bc	30.39	+.26	66	64	+2	W	1	b	0	bc	*	68	63	–
BELGIUM.	Brussels ...	*	*	*	*	*	30.43		61	59		S	1	b	*	b	*	69	52	–
	Cape Gris Nez...	?	63	WSW	3	bc	?	?	64	62	0	S	1	m	0	bc	*	68	61	–
	Paris	30.33	65	N	1	bc	30.40	+.08	53	53	-4	NNE	1	f	*	bc	*	69	52	–
	Brest	30.32	68	NW	1	c	30.32	+.04	59	57	-2	E	1	bc	1	c	*	72	57	–
	Lorient... ...	30.31	69	W	1	bc	30.32	+.02	60	59	-4	E	2	b	2	bc	*	73	57	–
FRANCE &	Rochefort ...	30.26	70	NW	4	b	30.24	-.04	63	61	+1	E	4	bc	*	b	*	79	59	–
	Belfort	30.24	63	NE	2	m	30.37	+.07	52	49	-2	ENE	6	m	*	m	*	74	48	–
	Lyons	30.26	68	NNE	1	b	30.36	+.08	57	53	-3	N	1	b	*	b	*	77	52	–
	Nice	30.13	71	SW	2	b	30.23	+.15	70	66	+4	Z	0	bc	1	b	*	81	64	–
	Perpignan ...	30.16	74	NNW	2	b	30.25	+.05	61	55	-7	SW	2	b	*	b	*	84	?	–
	Biarritz ...	30.19	70	NNE	3	b	30.14	-.10	63	60	-1	SE	2	b	2	b	*	72	59	–
PENINSULA.	Corunna ...																*			
	Lisbon	29.95	78	N	3	c	29.97	-.08	73	65	0	ENE	4	bc	*	c	*	86	72	–
	Azores (P. Delgada)	30.03	71	SE	4	c	29.96	-.14	71	65	0	SE	3	c	3	c	*	73	70	–

For Explanation of Columns, see bottom of last page. *† Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

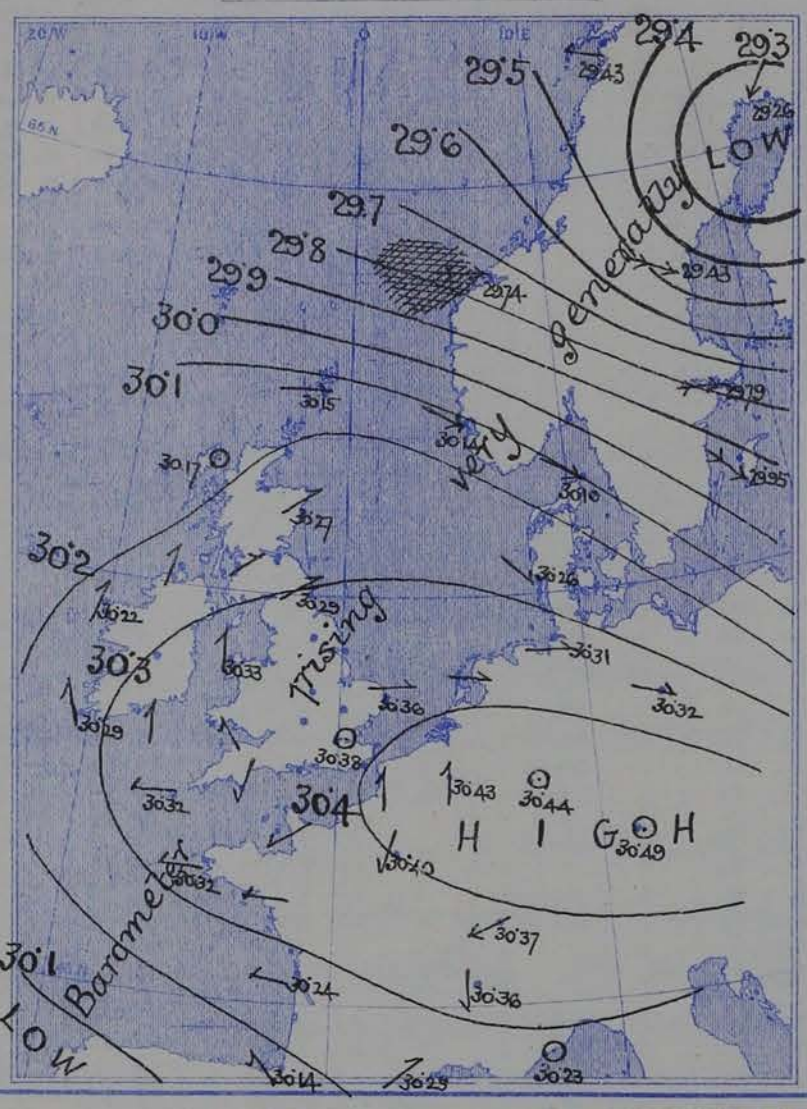
Bright Sunshine yesterday Southport 7.0 hrs;

WEATHER CHARTS

FOR Thursday, 15th September, 1898

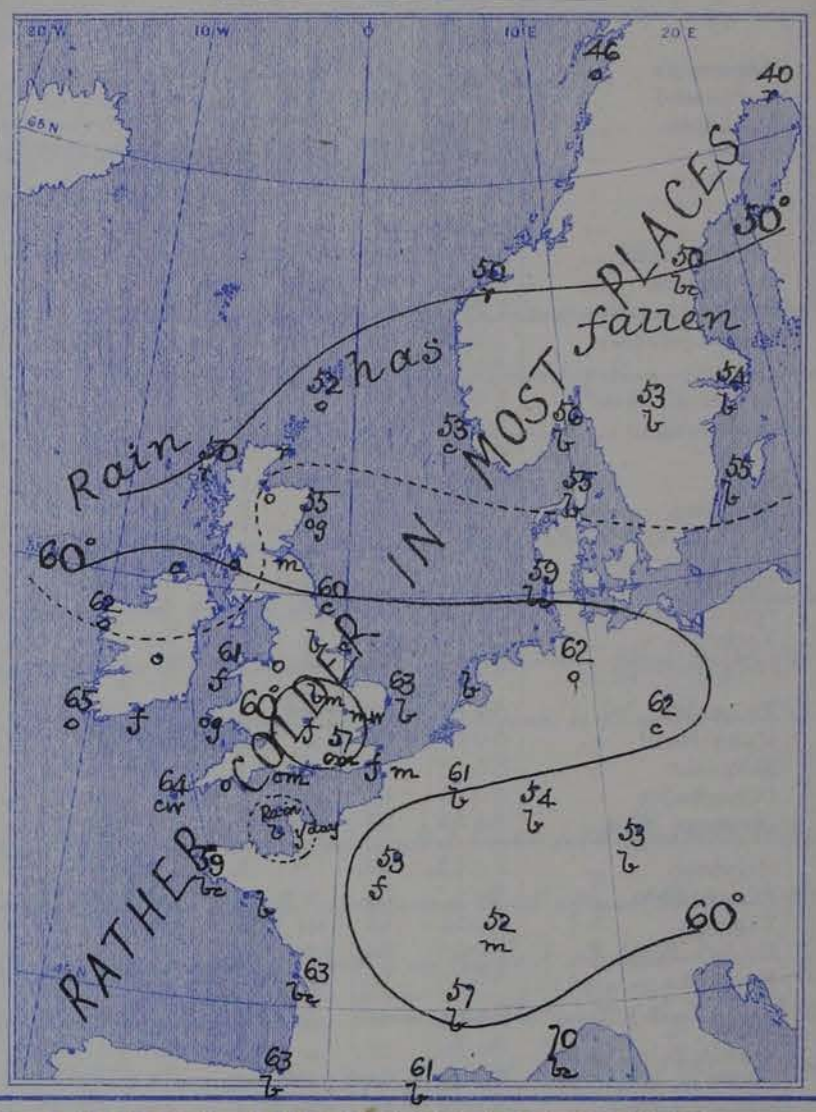
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more to 30·2 ins: in an anticyclone covering Germany, France, and nearly the whole of our Islands
Lowest. Below 29·3 ins: in a well marked depression over the northern part of the Gulf of Bothnia.
Gradients steep for W. winds over Scandinavia, very slight and variable elsewhere.
Barometer rising all over our Islands, but not much in the west.

TEMPERATURE

Highest 70° at Nice, 63° in the southwest of France, 60° to 65° on our own southwest coasts and the northern parts of England.
Lowest, 40° to 46° in Lapland, 50° to 55° over the northern parts of Scotland; 53° at Munich and Paris, 54° at Wiesbaden.
It rose during yesterday to 78° at Loughborough and 80° at Cambridge and in London; at Berlin and Paris it was from 10° to 12° lower.

WIND

Wind is (1) anticyclonic from the E. over France, the Bay of Biscay, and the English Channel, from the S. in Ireland, and from SW. at several of our northern stations; (2) Cyclonic over Scandinavia from W. and NW – strong to a gale in Norway and a strong gale in Sweden, but NE. a strong breeze at Haparanda.

WEATHER

Fine over France and nearly the whole of our Islands, but hazy or foggy in many places; rainy in the north of Scotland, the west of Norway and at Haparanda.
Some rain has fallen over Scandinavia and the extreme northern parts of Scotland and Ireland. Bright Sunshine recorded yesterday amounted to between 9 and 10 hours at many of our southern, eastern, and northern stations, but at our southwestern and western stations there was very little or none.

SEA

Slight or smooth on all our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine, warm, hazy weather is still probable except over Ireland and the west of Scotland, where a freshening southerly wind is indicated, with rain.

FORECASTS

For the 24 hours ending at NOON on 16th SEPT: 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. and S. winds, freshening; rain at times.
1 SCOTLAND EAST	SW. breezes, light, fair, warm
2 ENGLAND N.E.	
3 ENGLAND EAST	Varying airs and calms; fine, very warm, hazy at times, close.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S. breezes, moderate; close, fair as a whole.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as Nos 3 to 5.
9 IRELAND NORTH	S. breezes, freshening, with rain.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.75	60	57	WNW	6	c	4	Valencia	30.25	65	64	SW	3	o m	4
Sumburgh Head	29.72	55	50	W	6	c	6	Scilly	30.30	65	63	WSW	1	o	1
Stornoway	29.93	58	63	WNW	5	c	5	Jersey	30.34	67	64	W	3	o	3
Aberdeen	29.95	68	56	W	5	b q	3	Hurst Castle ...	30.28	69	65	WSW	3	o	2
Shields	30.08	71	65	SW	3	c	2	Dungeness ...	30.24	69	64	SW	4	b	3
Ardrossan	30.08	62	59	W	2	c	1	North Foreland	30.24	70	64	NNE	1	b	1
Malin Head ...	30.09	59	58	W	4	o	2	London (Westminster)	30.22	78	68	SW	3	b	#
Belmullet	30.15	61	61	W	1	o m	*	Yarmouth ...	30.16	71	61	W	2	b	2
Holyhead	30.20	69	65	SW	3	b	2	Rochefort ...	30.29	75	66	N	3	b	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over nearly the whole of Continental Europe and the eastern parts of England and Scotland, and in many places clear and bright, dull on our extreme west and northwest coasts and in the west of Norway, with rain in several places, and slightly showery very locally in parts of the English Channel. A moderate fall of rain later over Scandinavia generally, and small quantities in the north and west of Scotland and the north of Ireland; over the more southern and eastern districts weather very fine.

Temperature in morning highest 79° at Barcelona, 73° at Algiers and Trieste, and exceeding 70° at most of the Mediterranean and Adriatic stations; 62° to 65° in the west of France and over the greater part of England and Ireland, 63° to 66° in the east of Scotland. Lowest (1) 45° to 48° over the northern half of Scandinavia, 48° at Helsingfors; (2) 52° to 57° over the greater part of Central Europe; rising later to between 70° and 80° over Ireland and England to 81° at Nice and to 84° at Perpignan, but touching only 69° at Paris and 68° at Berlin.

Wind (1) remaining very light over all the southern half of Europe, and mainly anticyclonic in direction; (2) Cyclonic over the more northern countries – NW to SW over the northern parts of the British Islands, SW over Scandinavia as a whole, but SE at Christiansund, and blowing strongly at many of the Scandinavian stations. Hardly any change later beyond a tendency for E winds in some parts of France.

Barometer highest 30·3 in. and more to 30·1 in. in a complex anticyclonic system spreading in from the Atlantic over France Germany and the southern parts of England. Lowest, below 29·6 in. over Lapland, and below 29·5 in. in a cyclonic disturbance over the Shetlands. Rising over our Islands later – rapidly in the north, falling over Sweden and also over the Spanish Peninsula.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 16th September 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.65	43	N	4	b	30.04	+.78	42	39	+ 2	N	2	b	*	b	*	50	34	-
	Hernösand ...	29.86	51	NNW	6	b	30.20	+.77	48	43	- 2	NW	6	b	*	b	*	57	48	-
	Stockholm ...	29.95	58	W	8	c	30.28	+.49	50	44	- 4	NW	8	b	*	c	*	61	48	-
	Wisby	30.04	57	NW	9	b	30.31	+.36	52	46	- 3	N	8	b	*	b	*	59	52	-
	Karlstad ...	30.15	50	NNW	4	b	30.41	+.50	47	43	- 6	NW	2	b	*	b	*	*	*	-
	Bodö	29.88	47	NW	4	c	30.19	+.76	46	43	0	W	2	c	1	c	*	54	43	0.08
	Christiansund ...	30.24	49	W	6	r	30.30	+.56	49	46	- 1	ESE	2	0	5	r	*	50	48	0.08
	Skudesnaes ...	30.38	50	W	0	bc	30.40	+.21	52	49	- 1	SE	2	0	2	c bc	*	56	45	*
	Færder (Christiania Fjord)	30.21	57	W	2	b	30.41	+.41	51	47	- 5	N	2	b	2	b	*	61	50	-
	Skagen (The Scaw)	30.25	55	WNW	4	b	30.42	+.32	55	52	0	ESE	1	b	0	b	*	59	50	-
	Fanö	30.37	56	WNW	2	c	30.44	+.18	55	53	- 4	ESE	1	b	*	c	*	62	54	-
	Sumburgh Head	30.24	52	S	1	0	30.13	-.02	55	55	+ 3	SSW	2	0	3	bc c	*	57	50	-
	Stornoway ...	30.13	60	WSW	3	c	30.05	-.12	59	58	+ 9	WSW	3	0	3	rm c, o	2.5	61	48	0.10
	Wick	30.20	52	S	2	b	30.11	-.12	62	59	+ 9	S	1	b	1	bc	*	62	52	-
	Nairn	30.23	59	W	0	b	30.13	-.09	64	61	+ 10	W	0	b	0	b	*	64	50	0.04
	Aberdeen ...	30.26	57	S	1	bc	30.20	-.07	61	58	+ 6	S	2	bw	1	dp.bc	3.9	61	52	0.01
BRITISH ISLANDS.	Leith	30.28	60	W	0	m	30.18	-.08	60	58	+ 5	W	0	bm	*	m	*	62	49	-
	Shields	30.32	70	W	0	bc	30.25	-.04	60	59	0	SSW	3	m	2	c, bc	*	74	50	-
	Spurn Head ...	30.33	62	ESE	4	b	30.28	-.06	64	62	+ 2	ESE	3	bw	3	b	*	69	60	-
	York	30.33	70	SSE	1	bc	?30.30	-.05	60	58	- 5	SSE	1	b	*	o, bc	1.9	72	58	-
	Loughborough ...	30.32	71	ESE	1	b	30.27	-.11	58	56	+ 4	ESE	1	bcmw	*	bc, bm, f	*	80	50	-
	Ardrossan ...	30.25	63	S	1	bc	30.13	-.09	63	60	+ 3	NE	1	bm	1	c, bc	*	64	56	-
	Malin Head ...	30.22	69	SSE	1	o	30.08	-.11	60	59	- 2	ESE	2	c	2	b, o	*	70	58	-
	Belmullet ...	30.21	63	SE	1	c	29.99	-.23	63	61	+ 1	SSE	1	bc	*	bc. c	*	66	60	0.01
	Donaghadee ...	30.28	64	SSW	3	bc	30.15	-.10	59	59	- 3	SSE	3	m	1	bc	*	70	55	0.01
	Liverpool (Bidston)	30.31	66	N	1	bc	30.21	-.14	62	58	- 2	ESE	2	b	?	bcm	*	71	55	-
	Holyhead ...	30.30	62	SW	2	c	30.15	-.18	62	61	+ 1	S	1	bm	1	c	*	67	55	-
	Parsonstown ...	30.26	67	W	0	c	30.09	-.21	60	58	- 4	SE	1	bc	*	o, c	0.4	70	54	-
	Valencia ...	30.22	65	S	2	o	30.02	-.27	64	60	- 1	ESE	2	bc	3	c, o	0.2	69	58	-
	Roche's Point ..	30.27	63	SE	3	c	30.09	-.24	61	58	- 1	SSE	3	c	3	f, c	*	65	59	-
	Pembroke (St. Ann's Hd.)	30.30	64	SSE	3	bc	30.13	-.23	63	61	+ 1	SE	3	bm	3	bc	7.7	66	60	-
	Scilly	30.25	63	E	4	c	30.05	-.27	64	63	0	E	4	bw	2	c	4.0	68	59	-
	Prawle Point ...	30.29	60	ENE	2	c	30.13	-.24	67	63	+ 7	ENE	3	b	3	c, cf	*	67	58	-
	Jersey (St. Aubin's)	30.26	70	E	3	b	30.13	-.24	67	62	+ 9	ENE	2	bmw	2	b, bm	*	72	58	-
	Hurst Castle ...	30.31	66	ENE	2	bcm	30.20	-.17	68	64	+ 6	E	3	bm	1	b, bc	*	74	61	-
	Dungeness ...	30.33	65	ENE	1	b	30.26	-.11	66	62	+ 4	ESE	3	b	2	b	*	70	61	-
	North Foreland	30.37	63	E	1	b	30.30	-.07	66	63	+ 1	E	5	b	3	b	*	69	62	-
	London (Brixton) ...	30.32	73	SSE	3	bm	30.26	-.12	64	61	+ 7	SE	1	b	*	bc. bmw	6.8	81	55	-
	Oxford	30.32	63	SE	1	b	30.25	-.14	57	56	- 2	ENE	1	b	*	b	*	78	49	-
	Cambridge ...	30.33	71	SE	1	b	30.28	-.11	63	63	+ 3	SE	1	bmw	*	b	7.6	82	54	-
	Yarmouth ...	30.36	66	ESE	2	b	30.31	-.05	65	63	+ 2	SE	1	b	2	b. bf	*	68	59	0.01‡
GERMANY & HOLLAND.	Cuxhaven ...	30.38	61	NW	1	b	30.43	+.12	54	53	- 8	S	1	b	*	b	*	63	54	-
	Berlin	30.33	65	W	0	b	30.44	+.12	54	52	- 8	NW	2	b	*	b	*	70	52	-
	Wiesbaden ...	*	*	*	*	*	30.41	-.03	57	56	+ 3	W	0	b	*	*	*	73	54	-
	Munich... ..	30.49	56	SE	2	b	30.47	-.02	55	53	+ 2	E	2	b	*	b	*	66	46	-
	The Helder ...	30.39	64	W	0	m	30.37	-.02	66	62	0	SE	1	b	0	m	*	72	59	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.34	-.09	67	61	+ 6	W	0	b	*	b	*	77	?	-
	Cape Gris Nez...	?	64	NE	1	m	?	?	64	58	0	SE	2	m	1	m	*	72	57	-
	Paris	30.32	68	NE	2	b	30.25	-.15	60	57	+ 7	NE	2	b	*	b	*	73	53	-
	Brest	30.19	71	ENE	2	b	30.04	-.28	64	59	+ 5	E	2	b	1	b	*	77	57	-
	Lorient... ...	30.18	73	W	0	bc	30.08	-.24	61	58	+ 1	E	4	b	2	bc	*	81	54	-
FRANCE &	Rochefort ...	30.12	80	E	2	b	30.08	-.16	64	61	+ 1	SSE	3	b	*	b	*	95	59	-
	Belfort	30.28	66	ENE	4	m	30.31	-.06	57	54	+ 5	ENE	1	m	*	m	*	75	52	-
	Lyons	30.25	72	N	1	b	30.27	-.09	60	56	+ 3	E	1	b	*	b	*	80	55	-
	Nice	30.23	69	W	0	bc	30.27	+.04	66	62	- 4	E	2	b	2	bc	*	79	61	-
	Perpignan ...	30.20	70	NE	2	b	30.23	-.02	68	67	+ 7	W	0	0	*	b	*	79	61	-
	Biarritz ...	30.04	83	E	2	b	30.01	-.13	68	62	+ 5	SE	3	b	1	b	*	86	63	-
PENINSULA.	Corunna ...																*			
	Lisbon	29.98	74	NNE	2	bc	30.01	+.04	71	68	- 2	NE	3	0	*	bc	*	82	?	0.08
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. ‡ Wet fog. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

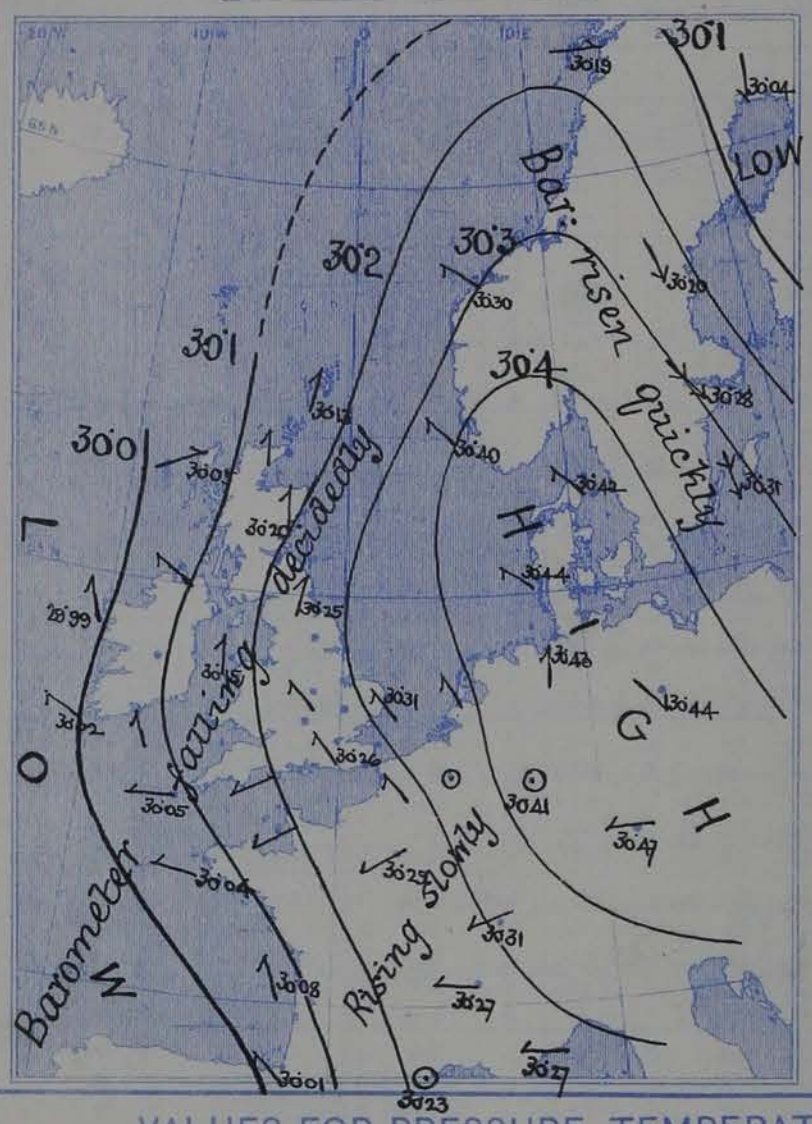
Bright Sunshine yesterday Southport 2.7 hrs;

WEATHER CHARTS

FOR Friday, 16th September, 1898

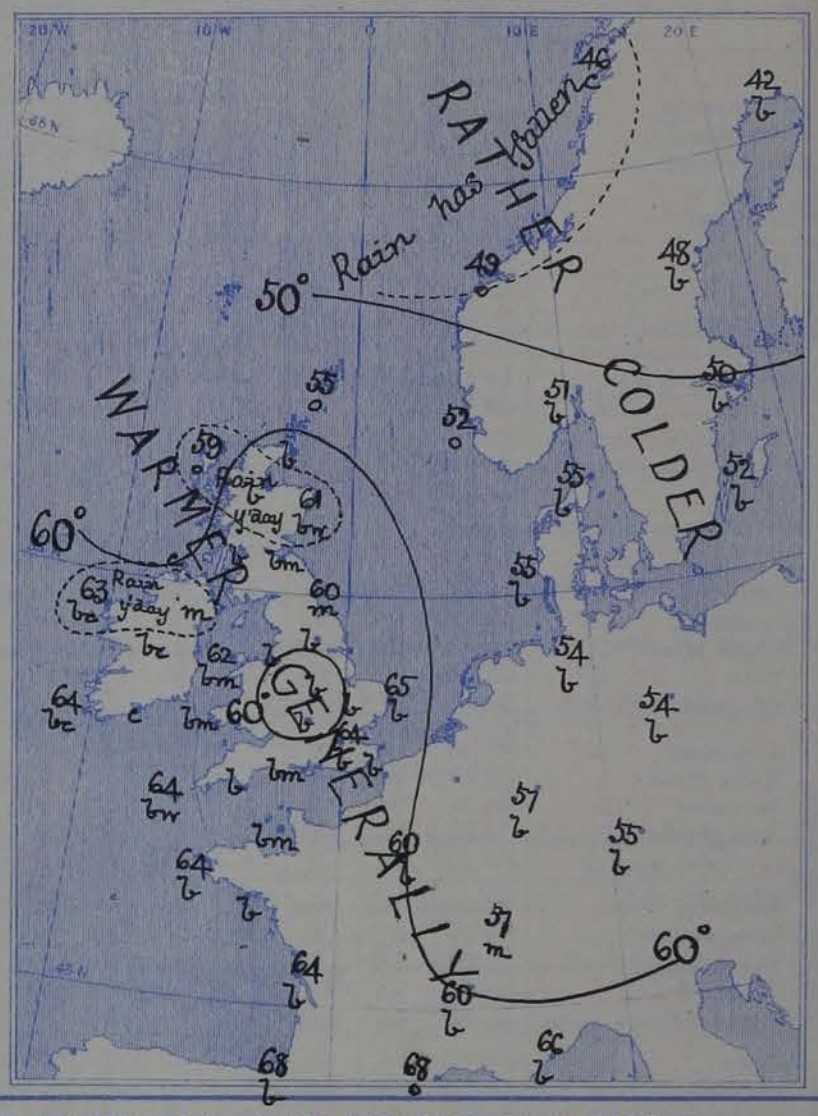
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟹ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟹ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: and more over Denmark and Western Germany; exceeding 30·1 in: in an anticyclone covering the whole of central and eastern Europe, including Great Britain and the east of Ireland.
Lowest, Below 30·0 in: off the west of Ireland, and apparently over the greater part of Spain also.
Gradients moderate, but increasing for SE and S winds over our Islands and for E breezes over the Channel.
Barometer falling in our Islands, rising over the countries to the eastward of the North Sea.

TEMPERATURE

Highest, 66° to 68° in the south and southwest of France, 64° to 68° over the south of England.
Lowest, 42° at Haparanda, and below 50° over the northern part of Scandinavia generally, 54° at Berlin and Cathara, 55° at Paris and Sumburgh Hd.
The highest of the maxima recorded yesterday were 80° at Loughborough, 81° in London, 82° at Cambridge; 86° at Biarritz, 95° at Rochefort, but only 73° at Paris, and 70° at Berlin.

WIND

Anticyclonic:— E over France, the English Channel, and the Bay of Biscay, SE to S over our Islands generally, NW over Sweden, and still blowing hard at Wisby and Stockholm.
The E wind in the Channel and the S breeze on our eastern coasts appear to be both freshening.

WEATHER

Fine generally and in most places clear and bright.
At hardly any of the stations has there been any rain and at none has the fall exceeded 0·1 inch.
Damp mists were very prevalent during the night.
Bright Sunshine recorded yesterday was considerable (6 to 8 hours) at our southern stations; over Ireland there was hardly any.

SEA

Slight in the southwest, west and northwest, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The easterly wind in the south, and the sea on our southeast coasts are likely to increase. Fine weather is still probable over England and the eastern parts of Scotland.

FORECASTS

For the 24 hours ending at NOON on 17th SEPT: 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW and S winds, freshening; some showers.
1 SCOTLAND EAST	SE and S winds, moderate; fine, warm.
2 ENGLAND N.E.	
3 ENGLAND EAST	Same as No 5.
4 MIDLAND COUNTIES	Same as Nos 1 and 2.
5 ENGLAND SOUTH	SE and S winds, freshening; fine, very warm.
6 SCOTLAND WEST	S winds, freshening; fine, warm.
7 ENGLAND N.W.	
8 ENGLAND S.W.	SE winds, very fresh; fine.
9 IRELAND NORTH	SE and S winds, very fresh; fine in the east, showers in the west.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	30·32	56	49	NNW	4	c	2	Valencia	30·26	68	64	SSW	2	c	4
Sumburgh Head	30·14	55	50	W	1	bc	3	Scilly	30·32	66	63	E	2	c	2
Stornoway	30·15	56	54	SSE	3	0	3	Jersey	30·36	71	65	ENE	2	b	2
Aberdeen	30·28	57	53	S	3	bc	2	Hurst Castle	30·36	73	67	S	2	bm	1
Shields	30·32	73	65	SW	1	c	2	Dungeness	30·37	69	65	SSW	1	b	0
Ardrossan	30·26	63	62	SW	2	c	1	North Foreland	30·39	69	64	SE	3	b	2
Malin Head	30·23	70	67	S	2	b	2	London (Westminster)	30·35	80	69	S	2	bc	*
Belmullet	30·24	64	62	SSW	1	bc	*	Yarmouth	30·36	68	65	ESE	1	b	1
Holyhead	30·34	65	63	SW	3	c	2	Rochefort	30·20	91	81	ESE	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning very fine over all the southern and western countries of Europe, but foggy or hazy over France and the southern and eastern parts of England, rainy in the extreme north of Scotland and the west of Norway, as well as at several stations in Finland and at Haparanda. Very slight rain later in some parts of Norway, Scotland, and the north of Ireland, but clearing, becoming clear and bright over England, France and Germany.

Temperature in morning highest 79° at Algiers and Lerina, and still above 70° at most of the Mediterranean stations and at Lisbon; above 60° over the west of France and most of the coasts of Ireland and England. Lowest (1) 40° at Haparanda, and 46° to 50° over the extreme northern countries generally; 50° to 55° over the greater part of Scotland; (2) 49° at Cracow and Prague, & 52° to 55° over South Germany as a whole. Rising later to between 60° and 64° over the northern parts of our Islands, to 80° at Loughborough, 81° in London, 82° at Cambridge, and 86° at Biarritz, but not exceeding 70° at Berlin and 73° at Paris.

Wind (1) light and anticyclonic over the southern half of Europe and the British Islands — E⅞ over France, S⅞ and SW⅞ over our western districts, NW⅞ and W⅞ over the North Sea; (2) cyclonic over the northern countries — NE and strong at Haparanda, NW⅞ and W⅞, a strong gale over Sweden, W⅞ to S⅞ over Western Russia. No decided change later.

Barometer in morning highest 30·4 in: and more to 30·2 in: in a large anticyclone covering the British Islands, France, and Germany, and extending with slightly lower values across the Mediterranean to Tunis and the northeast of Africa. Lowest (1) 29·2 in: and less, to 29·4 in: in a well marked depression over the northern parts of the Gulf of Bothnia and the neighbouring parts of Sweden and Finland; (2) below 30·0 in: over the southwestern parts of the Spanish Peninsula. Rising later over Scandinavia, the Baltic, and Denmark, falling over France and the southwest and west of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France: at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 17th Sept.r 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·18	41	NW	0	b	30·13	+·09	49	46	+7	SW	2	c	*	b	*	54	36	-
	Hernösand ...	30·29	48	N	0	0	30·23	+·03	50	47	+2	S	2	bc	*	0	*	57	43	-
	Stockholm ...	30·39	50	W	2	b	30·35	+·07	51	48	+1	WSW	4	0	*	b	*	59	46	-
	Wisby	30·44	54	N	4	b	30·42	+·11	55	51	+3	WNW	4	b	*	b	*	55	46	-
	Karlstad ...	30·39	51	WSW	2	b	30·37	-·04	51	50	+4	SW	2	bc	*	b	*	*	*	-
	Bodö	30·06	45	ESE	2	r	30·00	-·19	50	49	+4	S	1	0	4	r	*	50	43	1·34
	Christiansund ...	30·17	57	ESE	1	0	30·09	-·21	55	53	+6	ESE	1	b	2	0	*	57	49	-
	Skudesnaes ...	30·35	58	SSE	4	0	30·26	-·14	57	55	+5	SSE	6	c	4	0	*	57	52	*
	Færder (Christiania Fjord)	30·40	56	SSW	3	b	30·36	-·05	57	55	+6	SW	4	0	2	b	*	59	51	-
	Skagen (The Scaw)	30·43	53	WSW	1	b	30·39	-·03	55	53	0	SW	1	b	0	b	*	63	46	-
	Fanö	30·39	55	NW	0	b	30·30	-·14	54	52	-1	SE	4	b	*	b	*	63	52	-
BRITISH ISLANDS.	Sumburgh Head	30·02	56	SSE	2	c	29·83	-·30	55	55	0	SSE	4	f	5	bc, c	*	62	53	-
	Stornoway ...	29·90	64	SW	4	0	29·67	-·36	61	58	+2	SSW	3	c	3	c, 0	4·2	67	55	-
	Wick	29·94	64	S	1	bc	29·78	-·33	59	57	-3	S	4	c	2	bc	*	70	54	-
	Nairn	29·93	67	N	0	c	29·76	-·37	68	61	+4	SW	2	bc	1	c	*	79	56	-
	Aberdeen ...	30·04	59	S	3	bm	29·87	-·33	58	57	-3	S	3	ogmw	4	bm, b	9·2	68	55	-
	Leith	30·01	70	N	0	b	29·82	-·36	64	59	+4	N	0	bm	*	b	*	81	54	-
	Shields	30·08	63	SSE	4	b	29·92	-·33	61	60	+1	SSE	2	m	2	o m, bm	*	71	59	-
	Spurn Head ...	30·10	64	SE	5	b	29·97	-·31	64	62	0	SE	4	bw	4	b	*	67	61	-
	York	30·10	73	N	0	bc	29·95	-·35	63	60	+3	ESE	1	b	*	b	9·5	80	56	-
	Loughborough ...	30·09	73	SE	2	b	29·95	-·32	64	60	+6	SSE	2	bw	*	b, bm	*	84	57	-
	Ardrossan ...	29·99	65	SE	1	b	29·77	-·36	66	62	+3	NE	1	bm	1	b	*	70	60	-
	Malin Head ...	29·91	66	S	1	bm	29·62	-·46	65	62	+5	SSE	4	c	3	bc, bm	*	67	60	-
	Belmullet ...	29·87	66	SSW	1	bc	29·65	-·34	68	61	+5	S	3	b	*	b, bc	*	70	59	-
	Donaghadee ...	29·99	63	SSW	3	b	29·78	-·37	62	60	+3	S	4	bc	2	b	*	69	52	-
	Liverpool (Bidston)	30·02	72	ESE	3	b	29·85	-·36	66	60	+4	SE	4	c	3	bm	*	78	56	-
	Holyhead ...	30·00	69	SE	1	b	29·81	-·34	66	63	+4	S	3	cm	2	b	*	73	59	-
	Parsonstown ...	29·90	67	SE	1	0	29·69	-·40	66	63	+6	SE	2	bc	*	b, ol	8·9	72	59	-
	Valencia ...	29·83	70	SSE	3	b	29·64	-·38	65	62	+1	SSE	5	0	4	bc, l	10·2	71	62	-
	Roche's Point ..	29·91	63	SSE	4	bcm	29·74	-·35	62	61	+1	S	4	0	4	bcm, tlp	*	66	60	0·15
	Pembroke (St. Ann's Hd.)	29·98	66	SE	4	b	29·84	-·29	62	62	-1	SSE	5	df	2	b	10·8	69	61	-
	Scilly	29·92	65	ESE	4	b	29·83	-·22	68	65	+4	SSW	4	c	3	b	10·5	69	60	-
	Prawle Point ...	30·01	67	ENE	3	bc	29·94	-·19	64	62	-3	SSW	2	0	2	bc	*	71	63	-
	Jersey (St. Aubin's)	30·04	75	E	2	bm	29·98	-·15	71	66	+4	ESE	2	bm	2	b, bmw	*	80	62	-
	Hurst Castle ...	30·07	70	E	3	b	29·98	-·22	73	68	+5	ENE	1	bm	1	bm	*	77	66	-
	Dungeness ...	30·10	68	ENE	3	b	30·03	-·23	67	64	+1	SSE	3	b	3	b	*	74	64	-
	North Foreland	30·13	68	E	3	b	30·06	-·24	68	64	+2	ESE	3	b	2	b	*	70	62	-
	London (Brixton) ...	30·11	73	SE	3	b	30·02	-·24	66	62	+2	ESE	1	b	*	b, bc, bmw	8·0	86	58	-
	Oxford	30·08	67	SSE	1	b	29·97	-·28	69	62	+12	SE	1	c	*	b	*	89	56	-
	Cambridge ...	30·13	72	SE	2	b	30·01	-·27	68	63	+5	S	3	bw	*	b	10·1	86	58	-
	Yarmouth ...	30·17	66	ESE	4	b	30·06	-·25	65	63	0	SE	4	bm	4	b	*	68	62	-
GERMANY & HOLLAND.	Cuxhaven ...	30·40	63	E	1	b	30·30	-·13	54	51	0	SE	3	b	*	b	*	64	52	-
	Berlin	30·43	61	SE	2	b	30·41	-·03	52	46	-2	SE	3	b	*	b	*	66	48	-
	Wiesbaden ...	*	*	*	*	*	30·31	-·10	61	57	+4	NE	1	b	*	*	*	75	57	-
	Munich... ..	30·39	59	SE	4	b	30·32	-·15	53	51	-2	E	4	b	*	b	*	72	46	-
	The Helder ...																*			
BELGIUM.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez...	?	75	SE	1	b	?	?	69	67	+5	SSE	3	bc	3	b	*	84	61	-
	Paris	30·13	71	E	1	b	30·12	-·13	59	57	-1	N	0	b	*	b	*	81	56	-
	Brest	29·95	54	SE	2	b	29·94	-·10	64	63	0	SE	2	0	2	b	*	84	63	-
	Lorient... ...	30·00	73	SSE	4	b	29·97	-·11	65	64	+4	SSE	3	bc	2	b	*	81	54	-
FRANCE &	Rochefort ...	30·02	79	N	2	b	30·04	-·04	68	65	+4	SSE	4	b	*	b, c	*	99	63	-
	Belfort	30·17	71	E	4	m	30·21	-·10	60	55	+9	E	1	m	*	m	*	78	54	-
	Lyons	30·13	76	ESE	1	b	30·18	-·09	64	59	+4	SE	1	b	*	b	*	87	60	-
	Nice	30·21	70	N	0	b	30·20	-·07	68	59	+2	E	3	b	3	b	*	81	61	-
	Perpignan ...	30·17	71	S	2	b	30·19	-·04	60	60	-8	N	0	b	*	b	*	81	?	-
	Biarritz ...	29·98	79	SE	2	bc	29·98	-·03	79	62	+11	S	3	c	2	bc, l	*	88	68	0·08
PENINSULA.	Corunna ...																*			
	Lisbon	30·07	69	WNW	2	b	30·09	+·08	67	64	-4	NNE	2	b	*	b	*	79	64	-
	Azores (P. Delgada)	30·00	69	NNE	4	c	30·06	+·18	64	63	-8	NNE	3	r	3	c	*	75	64	0·04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

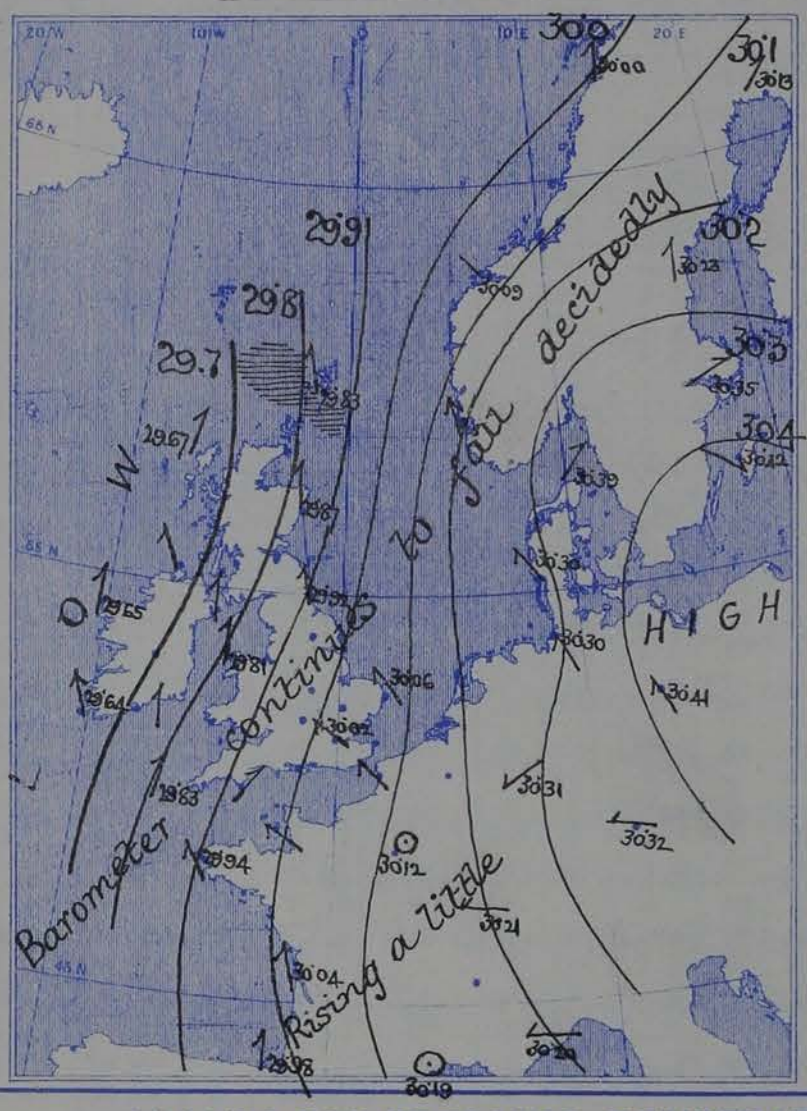
Bright Sunshine yesterday Southport 10·8 hrs.

WEATHER CHARTS

FOR Saturday, 17th September, 1898

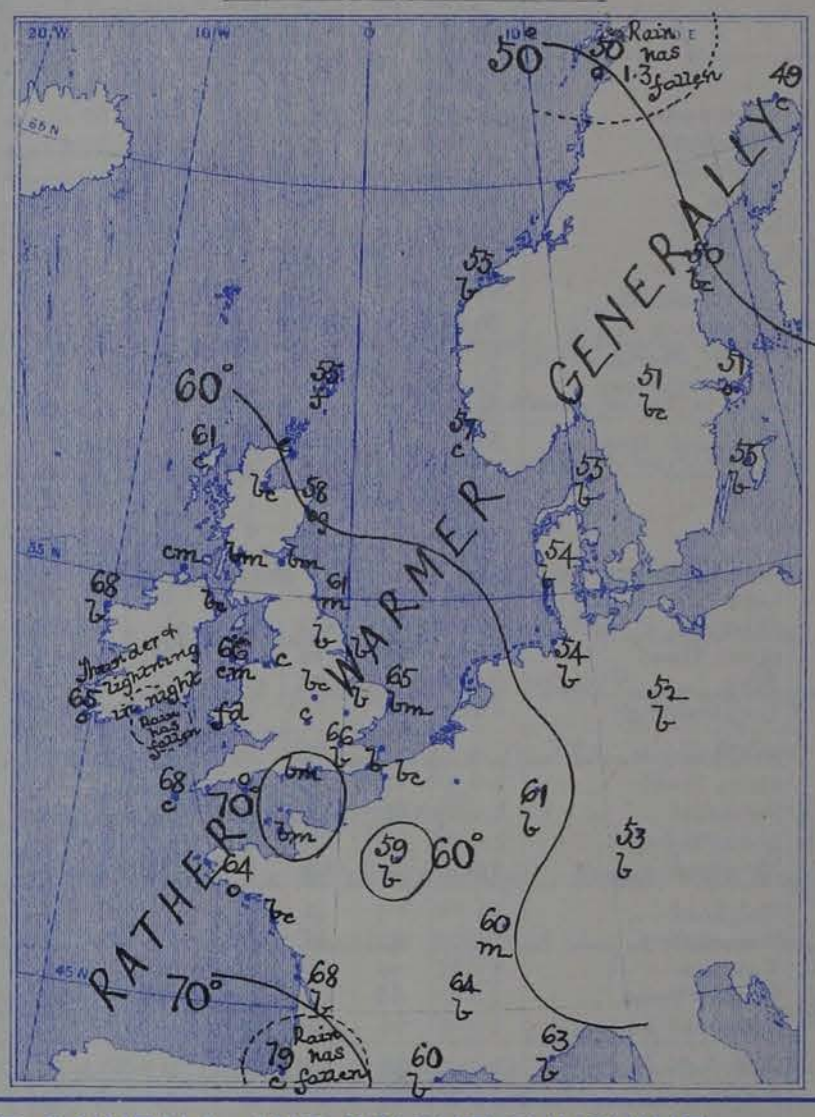
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more over the south of Sweden and north Germany, and exceeding 30·0 ins all over Scandinavia, and nearly the whole of the North Sea and France.
Lowest, Below 29·7 ins: over the Hebrides and west of Ireland and apparently still lower over the Atlantic.
Gradients still moderate for S^ly winds, but increasing.
Barometer inclined to rise over France, but falling at our own stations.

TEMPERATURE

Highest, 79° at Biarritz, 75° at Hurst Castle, 71° at Jersey, 69° at Oxford, 68° at Nairn.
Lowest, (1) 49° to 55° over the northern parts of Scandinavia; (2) 52° at Berlin, 53° at Munich, 59° at Paris.
The maxima recorded yesterday were 80° at York and Jersey, 83° at Oxford, 84° at Loughborough, 86° in London and at Cambridge; 66° at Berlin, 81° at Paris, 87° at Lyons, 99° at Rochefort.

WIND

SE^ly and S^ly in all parts of our Islands, and blowing freshly at many of the western stations, and with moderate strength even in the east.
E^ly to SE^ly and very light over France, SE^ly on the eastern shores of the North Sea.

WEATHER

Still fine in most places, but has become dull and unsettled in the south of Ireland, where also thunder and lightning have occurred.
A heavy fall of rain (1·3 ins:) has occurred at Bodo (Finmark).
Bright sunshine yesterday was only 4·2 hrs at Tromsoe, but ranged from 8 to 11 hrs at our other stations

SEA

Rather rough at Lerwick Head, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are still low-pressure areas over the Atlantic, and these seem to be spreading more over our Islands, and appear likely to break up the very fine warm weather shortly.

FORECASTS

For the 24 hours ending at NOON on 18th SEPT 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S^ly and SW^ly winds, strong; squally, rain at times.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SE^ly and S^ly winds, freshening; fine and very warm, then cooler and less fair. Perhaps thunder tomorrow.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	S^ly breezes, strong; squally, showery, perhaps thunder tomorrow.
WARNINGS	NONE ISSUED AT PRESENT.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·41	57	54	SSE	4	o	2
Sumburgh Head	30·08	60	57	SSW	3	bc	4
Stornoway	29·97	67	61	SW	4	c	4
Aberdeen	30·11	66	61	S	3	bm	2
Shields	30·16	71	64	S	4	om	2
Ardrossan	30·08	65	61	WSW	1	b	1
Malin Head ...	29·96	67	65	SSW	4	bc	2
Belmullet	29·93	70	64	SSW	1	b	*
Holyhead	30·08	64	62	W	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·92	69	64	ESE	3	bc	4
Scilly	29·97	?68	64	ESE	4	b	2
Jersey	30·12	79	69	ESE	2	b	2
Hurst Castle ...	30·13	76	67	E	3	bm	2
Dungeness ...	30·18	73	67	ENE	3	b	2
North Foreland	30·22	70	65	E	4	b	3
London (Westminster)	30·15	83	70	ESE	3	b	*
Yarmouth ...	30·22	66	64	ESE	4	b	3
Rochefort ...	30·08	95	83	SSE	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning very fine over northeastern, eastern, southern, and southeastern Europe, changeable and unsettled over the most northern countries, mist and dew very prevalent over England. Some rain, thunder and lightning over Ireland later, and a heavy fall of rain (1·34 in.) at Bodö (Finmark).

Temperature rising fast over England. Highest 78° at Algiers, 76° at Barcelona, and exceeding 70° at most of the Mediterranean and Adriatic stations; 68° at Hurst Castle, and above 60° in many parts of our Islands, the west and north of France and in the Netherlands. Lowest, 42° to 48° over Lapland, Finland, and the northern part of Russia; 49° at Warsaw and Lemberg, 55° at Munich, 57° at Wiesbaden and Belfort. Rising rapidly later over the British Islands and France, and touching 81° at Leith, 83° at Oxford, 84° at Loughborough, 86° at Cambridge and in London, and 99° at Rochefort, but not exceeding 81° at Paris or 66° at Berlin.

Wind (1) extremely light and anticyclonic over Denmark, Germany, the Netherlands, and part of France, but rather more brisk from between SE. and S. over our Islands; (2) NW³ to N³ over Finland and the Baltic and blowing a gale in most places; (3) a NE³ gale blowing over Greece. Freshening somewhat over our Islands later, with no change in direction; apparently falling light over the Baltic.

Barometer highest 30·4 in. and more over North Germany, Denmark, and the southern parts of Scandinavia, and exceeding 30·1 in. in a large anticyclone covering the whole of northeastern, eastern, and southern Europe. Lowest 29·4 in. and less to 29·5 in. in a depression over Russia, and below 30·0 in. over those parts of the Atlantic adjacent to the coasts of Western Europe. Falling decidedly over our Islands and the west of Norway during day, but only slightly over Spain and the southwest of France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 18th September, 1898

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	30·06	50	Z	0	c	30·04	−·09	51	50	+ 2	S	2	b	*	c	*	54	30	—
	Hernösand ...	30·15	50	Z	0	b	30·03	−·20	53	50	+ 3	SSW	2	b	*	b	*	66	46	—
	Stockholm ...	30·29	55	W	2	b	30·24	−·11	54	52	+ 3	SSW	2	b	*	b	*	64	45	—
	Wisby	30·36	54	SW	4	b	30·31	−·11	54	51	− 1	W	2	b	*	b	*	61	48	—
	Karlstad ..	30·27	55	S	2	b	30·18	−·19	53	50	+ 2	S	2	b	*	b	*	*	*	—
	Bodö	29·97	55	W	4	o	29·79	−·21	61	54	+ 11	E	3	b	1	o	*	61	48	0·20
	Christiansund ...	29·94	59	SSW	2	b	29·81	−·28	65	58	+ 10	S	3	r	3	b	*	68	57	—
	Skudesnaes ...	30·07	61	SE	7	b	29·94	−·32	62	58	+ 5	ESE	4	b	4	c,b	*	64	57	*
	Fæder (Christiania Fjord)	30·26	57	S	3	m	30·13	−·23	58	57	+ 1	SSE	2	m	2	m	*	59	55	—
	Skagen (The Scaw)	30·25	58	S	2	b	30·12	−·27	58	57	+ 3	S	3	bc	0	b	*	63	55	—
	Fanö	30·13	59	E	2	b	30·03	−·27	54	51	0	E	5	b	*	b	*	73	54	—
BRITISH ISLANDS.	Sumburgh Head	29·65	56	SSE	3	o	29·54	−·29	57	56	+ 2	S	3	o	5	o	*	57	54	0·04
	Stornoway ...	29·55	64	SW	5	c	29·60	−·07	50	49	− 11	NW	4	o	4	or.c	4·5	68	47	0·30
	Wick	29·64	68	S	1	c	29·58	−·20	58	57	− 1	NW	1	r	1	c	*	68	56	0·05
	Nairn	29·61	71	WSW	3	c	29·57	−·19	58	56	− 10	SW	2	o	1	c	*	83	56	—
	Aberdeen ...	29·71	61	S	2	c	29·62	−·25	59	57	+ 1	SSW	3	ofg	4	b.c	6·4	65	57	0·04
	Leith	29·71	65	S	6	c	29·64	−·18	58	55	− 6	WSW	1	o	*	c	*	74	55	0·22
	Shields	29·80	74	S	2	c	29·70	−·22	65	62	+ 4	SSE	3	o	2	bom.cf.l	*	81	59	—
	Spurn Head ...	29·84	66	SSE	4	b	29·79	−·18	66	61	+ 2	SSW	4	c	4	b.l	*	71	61	—
	York	29·84	73	S	1	c	29·79	−·16	58	56	− 5	W	1	o	*	b.c.thr	6·1	84	56	0·17
	Loughborough ...	29·87	75	SSW	3	c	29·84	−·11	60	57	− 4	W	1	cw	*	bc.cfg	*	87	59	0·03
	Ardrossan ...	29·69	62	SSE	4	p	29·69	−·08	59	57	− 7	SSW	3	omp	2	cp	*	68	57	0·05
	Malin Head ...	29·52	67	S	6	c	29·70	+·08	51	51	− 14	N	7	r	4	c	*	70	49	0·12
	Belmullet ...	29·56	61	WSW	5	o	29·88	+·23	54	47	− 14	NW	3	o	*	o	*	68	47	0·40
	Donaghadee ...	29·69	62	S	6	o	29·67	−·11	56	56	− 6	W	3	c	2	o	*	68	55	0·05
	Liverpool (Bidston)	29·79	72	SSW	1	c	29·77	−·08	57	55	− 9	SE	1	o	1	c	*	78	54	0·40
	Holyhead ...	29·78	63	S	3	ofm	29·72	−·09	56	55	− 10	SW	5	c	4	m.ofm	*	70	54	0·37
	Parsonstown ...	29·63	65	SE	2	o	29·87	+·18	49	47	− 17	SW	1	or	*	b.or.o	6·0	71	47	0·28
	Valencia ...	29·66	61	SSW	4	bc	29·98	+·34	56	50	− 9	NW	3	c	4	of.bc	1·3	67	51	0·38
	Roche's Point ..	29·71	62	SW	6	r	29·77	+·23	55	51	− 7	NW	3	b	3	r	*	65	50	0·08
	Pembroke (St. Ann's Hd.)	29·83	63	SW	5	r	29·88	+·04	56	52	− 6	NW	6	cq	5	r	1·2	65	55	0·37
	Scilly	29·82	65	S	4	c	29·95	+·12	60	54	− 8	WNW	4	c	3	c	6·3	69	53	0·61
	Prawle Point ...	29·92	63	S	2	o	29·95	+·01	58	56	− 6	WNW	4	c	3	o.or	*	66	55	0·10
	Jersey (St. Aubin's)	29·94	74	E	1	b	30·01	+·03	60	58	− 11	W	3	r	3	b.m	*	79	58	0·16
	Hurst Castle ...	29·94	71	SSW	1	b	29·93	−·05	61	59	− 12	WSW	4	rw	2	bom, b	*	77	61	0·01
	Dungeness ...	29·96	70	S	1	b	29·92	−·11	66	63	− 1	SW	3	bc	2	b	*	76	64	—
	North Foreland	29·97	69	ESE	2	b	29·93	−·13	70	65	+ 2	SSW	3	bc	3	b	*	79	65	—
	London (Brixton) ...	29·93	76	SSW	2	b	29·93	−·09	66	63	0	SW	3	c	*	b	9·2	88	61	—
	Oxford	29·91	69	S	1	b	29·87	−·10	60	59	− 9	WSW	1	o	*	b	*	86	59	—
	Cambridge ...	29·90	79	SSW	3	b	29·87	−·14	67	62	− 1	SW	4	o	*	b	10·9	89	60	—
	Yarmouth ...	29·95	67	SSE	3	b	29·86	−·20	69	64	+ 4	WSW	4	bw	3	b	*	69	63	—
GERMANY & HOLLAND.	Cuxhaven ...	30·17	66	SE	2	b	30·06	−·24	54	50	0	SSE	3	b	*	b	*	73	50	—
	Berlin	30·31	61	ESE	2	b	30·23	−·18	53	50	+ 1	ESE	4	b	*	b	*	70	48	—
	Wiesbaden ...	*	*	*	*	*	30·13	−·18	56	52	− 5	N	1	b	*	*	*	75	50	—
	Munich... ..	30·25	56	SE	1	b	30·25	−·07	51	49	− 2	E	1	b	*	b	*	70	45	—
	The Helder ...	30·03	70	Z	0	b	29·92		64	60		S	1	b	0	b	*	77	57	—
BELGIUM.	Brussels ...	*	*	*	*	*	29·99		70	63		S	3	b	*	b	*	84	63	—
	Cape Gris Nez...	?	76	S	1	b	?	?	67	64	− 2	SW	2	b	2	b	*	88	62	—
	Paris	30·02	75	ESE	1	b	30·04	−·08	62	58	+ 3	SE	2	b	*	b	*	84	57	—
	Brest	29·94	64	S	2	b	30·01	+·07	60	57	− 4	WNW	1	c	3	b	*	72	54	0·20
	Lorient... ...	30·00	68	SW	2	o	30·04	+·07	59	59	− 6	NNW	4	r	4	o	*	81	55	0·04
FRANCE &	Rochefort ...	30·02	75	SW	2	b	30·03	−·01	67	64	− 1	S	1	o	*	b	*	84	61	—
	Belfort	30·09	71	E	3	m	30·17	−·04	60	57	0	W	1	m	*	m	*	85	55	—
	Lyons	30·09	76	SE	1	b	30·15	−·03	62	58	− 2	SE	1	b	*	b	*	87	60	—
	Nice	30·16	70	Z	0	b	30·19	−·01	68	60	0	Z	0	b	2	b	*	79	63	—
	Perpignan ...	30·14	70	SSW	1	b	30·14	−·05	61	60	+ 1	SW	1	b	*	b	*	79	55	—
	Biarritz ...	29·97	81	E	3	c	30·03	+·05	70	68	− 9	W	4	o	2	c.l	*	82	66	—
PENIN-SULA.	Corunna ...																*			
	Lisbon	30·09	69	NNW	4	b	30·10	+·01	69	63	+ 2	N	3	bc	*	b	*	81	64	—
	Azores (P. Delgada)	30·19	67	NE	4	c	30·19	+·13	66	58	+ 2	ENE	3	bc	3	c	*	72	64	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

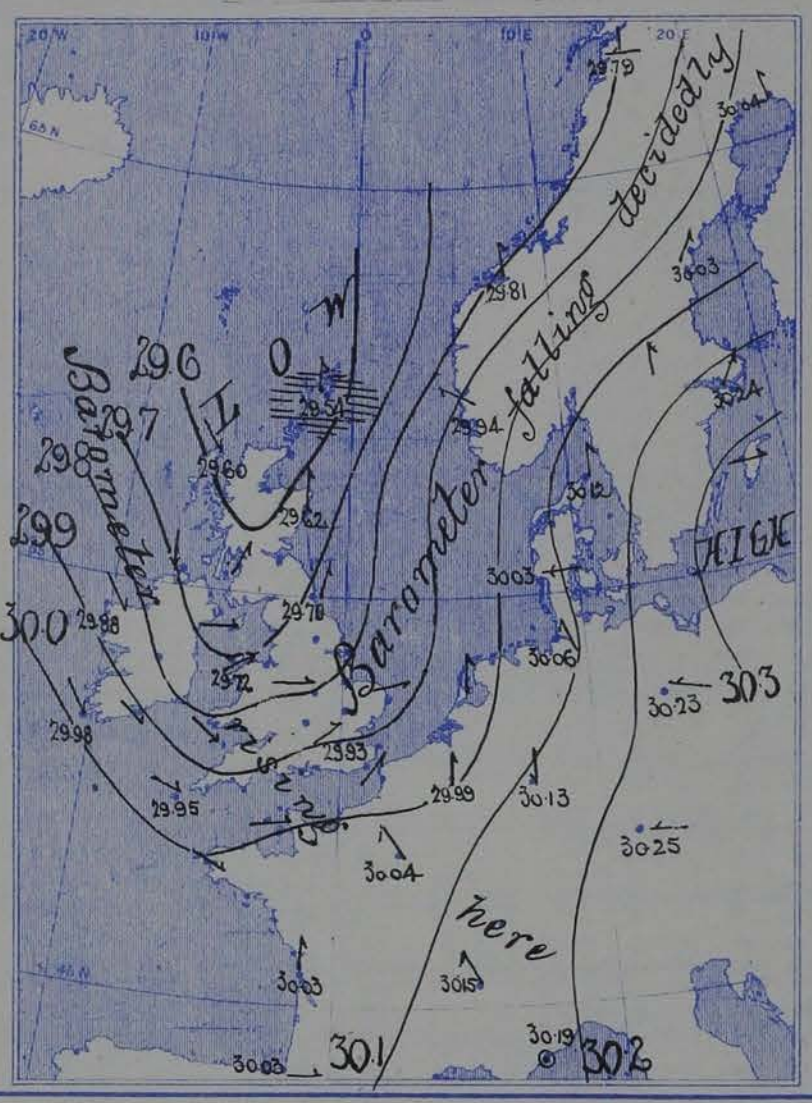
Bright Sunshine yesterday Southport 3·7 *hrs;*

WEATHER CHARTS

FOR Sunday, 18th September, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·31 ins: at Stockholm, and exceeding 30·1 ins: all over the Baltic and Central Europe.
Lowest, 29·6 ins: and less to 29·7 ins: over the northern parts of the United Kingdom.
Gradients moderate – for S. winds in the east, and NW. in the west
Barometer falling over Scandinavia and the North Sea, rising on our eastern and southern coasts.

TEMPERATURE

Highest, 60° to 70° over the south and southeast of France, 66° to 69° over the southeast of England, 70° at Brussels; 61° to 65° in the west of Norway.
Lowest, (1) 49° at Parsontown, 50° at Stornoway, 51° at Malin Head, 53° at Karlstad; (2) 51° at Munich, 53° at Madrid, 54° at Cuxhaven and Pavia.
The maxima recorded over our Islands yesterday were 81° at Shields, 83° at Nairn, and from 84° to 89° over the Central parts of England; 70° at Berlin, 84° at Paris, 87° at Lyons.

WIND

(1) NW. to N. over the Hebrides, Ireland, and the southwestern part of Great Britain and the northwest of France; (2) SW. to S. over the eastern parts of Great Britain, and S. to E. on the eastern shores of the North Sea; (3) Light and variable from E. and SE. over the southern half of France and Germany. The change from SW. to NW. appears to be moving eastwards.

WEATHER

Still fine and bright over Sweden, central Europe and the greater part of France, cloudy, changeable and unsettled in our Islands.
A good deal of rain has fallen over the western and northern parts of the Kingdom, and the appearance of the sky is becoming unsettled over the eastern half of England also.
Bright Sunshine recorded yesterday varied between 1·2 hrs at Pembroke and 1·3 hrs at Valencia to 6·4 hrs at Aberdeen and 10·0 hrs at Cambridge.

SEA

Rather rough to moderate in the extreme northwest and north, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 19TH SEPT: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·16	64	59	SSE	6	c	4
Sumburgh Head	29·75	51	50	SSE	3	o	5
Stornoway	29·91	68	62	SW	3	or	3
Aberdeen	29·81	64	59	S	3	bm	4
Shields	29·80	79	61	S	4	bcm	2
Ardrossan	29·72	65	63	S	3	o	2
Malin Head ...	29·91	69	67	SSW	4	c	3
Belmullet	29·85	66	62	S	5	o	*
Holyhead	29·82	65	64	S	3	cm	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·61	64	63	SSW	4	op	5
Scilly	29·84	68	65	SSW	4	c	3
Jersey	29·97	77	68	ESE	1	b	0
Hurst Castle ...	29·97	75	68	S	2	bcm	1
Dungeness ...	29·99	74	67	S	1	b	1
North Foreland	30·01	75	67	ESE	2	b	1
London (Westminster)	29·94	87	75	S	3	b	*
Yarmouth ...	29·99	68	65	SSE	3	b	3
Rochefort ...	30·02	81	78	SW	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over almost the whole of Continental Europe and by far the greater part of the British Isles, but becoming dull and unsettled on all our southwestern coasts, with rain and thunder at times. Rain falling later at all our western and most of our northern stations, and thunderstorms occurring over the northern parts of England – some rain over Brittany also.

Temperature rises very decidedly over Central England, and to some extent over Scotland, Ireland, and France. Morning readings highest 79° at Patras, 75° at Algiers, and above 70° at the Mediterranean stations generally; much above 60° over almost the whole of the British Islands. Lowest (1) 45° to 40° over Finland and the north of Russia; (2) 45° to 53° over Central Europe; (3) 54° at Cuxhaven and Paris, 55° at Lerwick Head. Rising later to between 80° and 89° in many parts of Great Britain, to 84° at Paris and 87° at Lyons, but not exceeding 70° at Munich and Berlin.

Wind (1) SE³ to S³ over our Islands, moderate to fresh as a whole; SE³ moderate to light over the North Sea and English Channel; S³ and SW³ over northern Europe; (2) Very light and anticyclonic over the more southern and eastern countries – SE³ over France, NW¹ and N¹ over Russia. Veering considerably from S. and SW. later over the western parts of the British Islands.

Barometer highest 30·5 ins: to 30·2 ins: in a large anticyclone covering the whole of Central Europe, the Baltic and much of Scandinavia. Lowest (1) Below 29·7 ins: over the Hebrides and western parts of Ireland, and evidently still lower over the Atlantic; (2) below 29·8 ins: over Central Russia. Continuing to fall over the British Islands later, as a depression advanced in a northeasterly direction outside our northwest coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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DAILY WEATHER REPORT

for 8 a.m. on Monday, 19th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.96	50	NW	2	b	29.92	-.12	53	50	+2	S	2	b	*	b	*	57	37	-
	Hernösand ...	29.91	54	NE	0	b	29.81	-.22	50	48	-3	SSW	2	b	*	b	*	63	44	-
	Stockholm ...	30.05	53	NE	0	b	29.87	-.37	56	53	+2	SSE	2	b	*	b	*	68	45	-
	Wisby	30.14	54	SSW	4	b	29.93	-.38	58	53	+4	SSW	4	b	*	b	*	64	46	-
	Karlstad ..	29.97	58	SSE	4	b	29.81	-.37	55	52	+2	S	2	c	*	b	*	*	*	-
	Bodö	29.74	60	NE	0	c	29.58	-.21	58	54	-3	NE	0	b	0	c	*	61	54	0.12
	Christiansund ...	29.66	59	SSE	2	bc	29.67	-.14	51	49	-14	NNW	2	r	2	bc	*	68	50	0.16
	Skudesnaes ...	30.14	60	S	8	r	29.86	-.08	52	46	-10	N	4	c	4	r	*	65	?	*
	Færder (Christiania Fjord)	29.93	59	SSE	2	m	29.76	-.37	58	56	0	SW	4	o	3	m	*	59	57	0.12
	Skagen (The Scaw)	29.91	59	S	4	m	29.86	-.26	57	56	-1	NSW	2	m	0	m	*	64	55	0.08
	Fano	29.89	63	NSW	2	b	29.94	-.09	57	54	+3	NW	6	c	*	b	*	75	54	-
BRITISH ISLANDS.	Sumburgh Head	29.59	50	NNW	2	r	29.71	+.17	48	45	-9	W	3	bc	4	r	*	57	43	0.29
	Stornoway ...	29.72	52	W	4	c	29.84	+.24	47	46	-3	N	4	bc	4	o, cp	1.9	54	41	0.25
	Wick	29.72	49	NW	4	r	29.83	+.25	49	45	-9	NW	3	b	2	r	*	67	40	0.40
	Nairn	29.78	48	NSW	1	bc	29.89	+.32	49	46	-9	W	1	b	1	bc	*	60	38	0.30
	Aberdeen ...	29.78	47	WNW	3	cp	29.94	+.32	50	45	-9	SSW	2	bw	2	o, cp	0.0	60	38	0.19
	Leith	29.78	57	WNW	3	b	29.98	+.34	49	49	-9	SW	1	r	*	b	*	60	45	0.11
	Shields	29.87	54	WSW	3	cp	30.02	+.32	52	48	-13	SW	3	o	2	cp	*	66	45	-
	Spurn Head ...	29.91	57	W	5	c	30.11	+.32	55	51	-11	SSW	4	b	4	c	*	68	47	-
	York	29.94	55	W	3	bc	30.11	+.32	50	47	-8	SSE	2	b	*	c	3.2	63	43	-
	Loughborough ...	30.03	54	WNW	4	b	30.17	+.33	52	49	-8	SSW	2	bw	*	cq, bc, b	*	68	44	-
	Ardrossan ...	29.90	55	W	4	c	29.94	+.25	55	52	-4	SSW	3	o	3	c	*	59	48	0.05
	Malin Head ...	29.88	48	WNW	6	bc, q, th	29.88	+.18	52	52	+1	SSE	1	b	1	bc, hq, r	*	55	47	0.20
	Belmullet ...	29.97	55	WSW	5	bc	29.90	+.02	57	55	+3	?	2	o	*	bc	*	58	49	0.04
	Donaghadee ...	29.96	54	WNW	4	b	29.95	+.28	52	52	-4	SW	4	r	2	b	*	58	48	0.04
	Liverpool (Bidston)	30.02	54	W	5	bc	30.05	+.28	50	48	-7	SSE	2	r	2	op, bc	*	59	45	0.03
	Holyhead ...	30.03	55	WSW	4	b	29.99	+.27	55	55	-1	S	6	qmr	4	b	*	58	49	0.13
	Parsonstown ...	30.04	55	W	1	bc	29.93	+.06	60	57	+11	W	2	o	*	bc, r	6.8	60	45	0.06
	Valencia ...	30.08	55	SSW	2	o	30.04	+.06	62	60	+6	WSW	4	ogm	5	bc, or	8.0	62	52	0.37
	Roche's Point ..	30.11	57	W	3	bc	30.04	+.07	62	60	+7	WSW	4	cp	4	bc, p	*	62	52	0.36
	Pembroke (St. Ann's Hd.)	30.11	58	WNW	4	bc	30.05	+.17	58	57	+2	SW	6	dq	5	bc	8.0	59	54	0.15
	Scilly	30.16	60	WNW	3	c	30.17	+.22	61	59	+1	SW	5	or	3	c	8.1	65	54	-
	Prawle Point ...	30.15	55	NW	3	b	30.24	+.29	57	55	-1	SW	5	cpu	4	b, p	*	65	50	0.02
	Jersey (St. Aubin's)	30.13	59	W	3	b	30.32	+.31	60	55	0	WSW	3	b	3	r, b	*	66	48	0.07
	Hurst Castle ...	30.09	61	WNW	4	b	30.25	+.32	61	54	0	SW	4	cp	3	b	*	68	48	-
	Dungeness ...	29.99	62	SW	4	c	30.28	+.36	49	47	-17	NNW	1	c	1	p, c	*	70	42	0.20
	North Foreland	30.02	60	S	2	c	30.28	+.35	51	47	-19	S	2	c	1	o, c	*	72	46	0.17
	London (Brixton) ...	30.02	59	WNW	2	bc	30.26	+.33	54	49	-12	SW	2	bc	*	or, bc, bv	0.7	68	41	0.14
	Oxford	30.14	51	W	1	b	30.22	+.35	53	50	-7	SSW	2	b	*	r, o, b	*	65	42	0.02
	Cambridge ...	30.01	61	WNW	3	c	30.23	+.36	53	49	-14	SSW	3	bw	*	cp	2.0	70	44	0.01
	Yarmouth ...	29.95	61	WSW	2	c	30.20	+.34	52	49	-17	SW	3	b	3	r, c	*	69	43	0.12
GERMANY & HOLLAND.	Cuxhaven ...	29.93	70	S	2	b	30.03	-.03	59	59	+5	WNW	4	o	*	b, thr	*	77	54	0.08
	Berlin	30.04	65	SE	3	b	29.98	-.25	59	56	+6	NW	4	b	*	b	*	75	50	-
	Wiesbaden ...	*	*	*	*	*	30.17	+.04	59	55	+3	W	2	c	*	*	*	73	56	0.04
	Munich... ..	30.15	61	NE	0	b	30.22	-.03	61	58	+10	W	5	c	*	b	*	73	53	0.04
	The Helder ...																*			
BELGIUM.	Brussels ...	*	*	*	*	*	30.28	+.29	55	52	-15	NSW	1	c	*	r	*	84	46	2.36
	Cape Gris Nez...	?	62	W	4	o	?	?	56	50	-11	WNW	1	c	1	o	*	70	52	0.28
	Paris	30.12	56	N	2	r	30.34	+.30	50	50	-12	S	1	b	*	r	*	80	48	0.28
	Brest	30.22	64	NW	1	bc	30.29	+.28	59	58	-1	S	2	o	2	bc	*	66	50	-
	Lorient... ...	30.17	62	W	4	bc	30.32	+.28	55	54	-4	ENE	2	b	2	bc	*	68	54	-
FRANCE	Rochefort ...	30.20	64	NW	4	bc	30.29	+.26	55	54	-12	ESE	2	b	*	bc	*	84	54	0.24
	Belfort	30.01	73	W	3	m	30.27	+.10	55	54	-5	W	4	c	*	m	*	83	54	-
	Lyons														*		*			
	Nice	30.12	67	NE	0	b	30.07	-.12	67	60	-1	E	2	b	1	b	*	79	63	-
	Perpignan ...	30.13	52	NE	1	b	30.21	+.07	68	60	+7	NW	2	o	*	b	*	79	61	-
	Biarritz ...	30.19	68	NW	4	o	30.23	+.20	63	59	-7	ENE	3	o	0	o	*	72	61	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.13	65	NNW	5	b	30.11	+.01	70	61	+1	NE	3	bc	*	b	*	77	63	-
	Azores (P. Delgada)	30.15	68	NE	2	b	30.03	-.16	69	66	+3	NE	3	bc	3	b	*	73	64	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

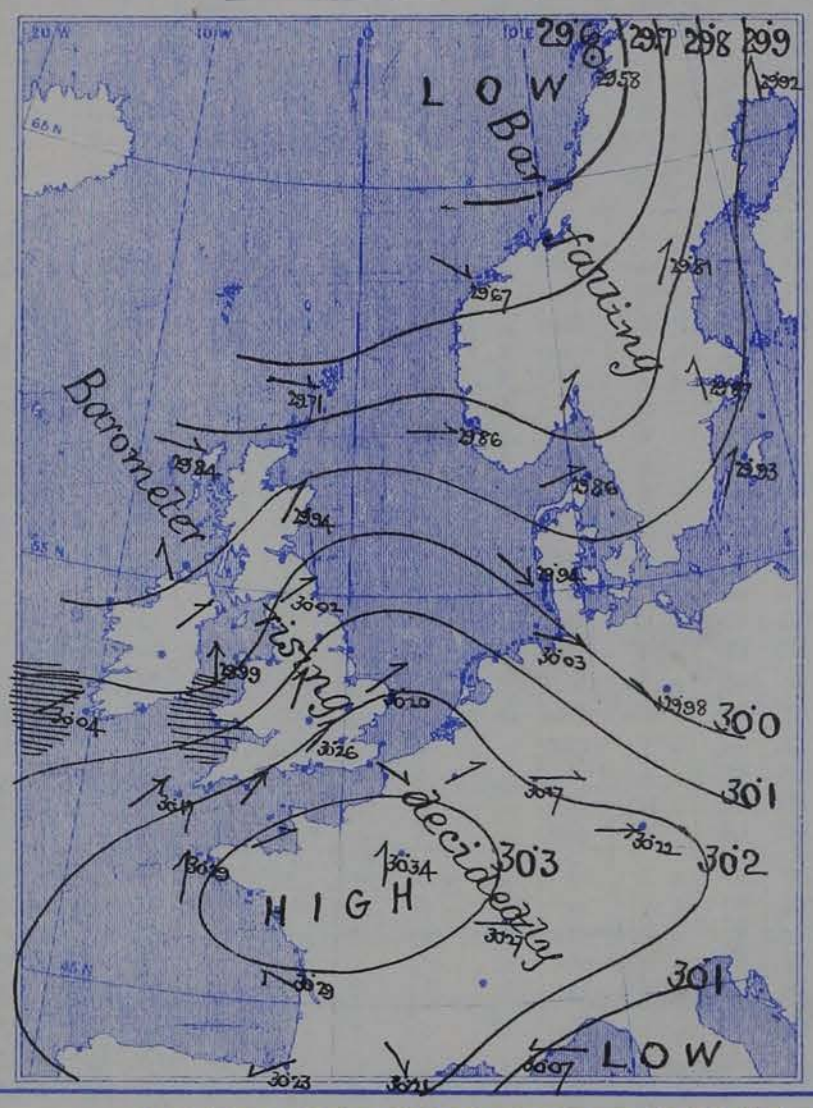
Bright Sunshine yesterday Southport... 1.2 hrs;

WEATHER CHARTS

FOR Monday, 19th September, 1898

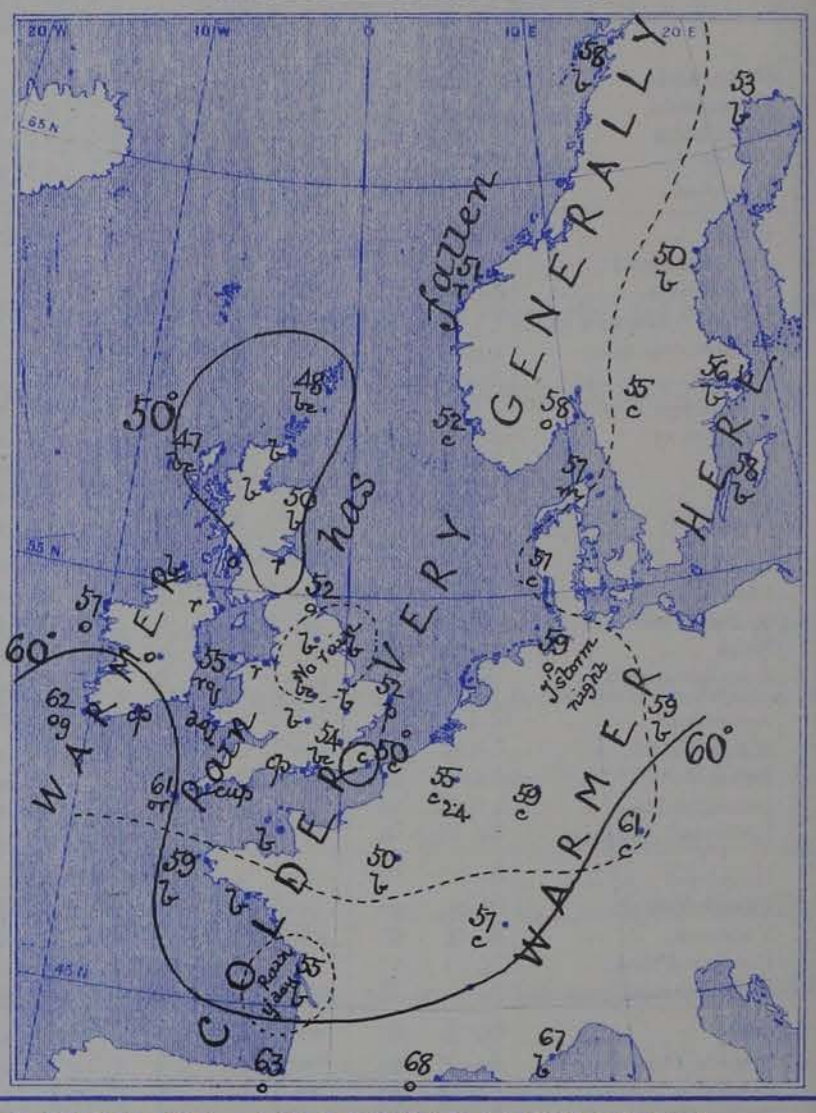
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough ▤ : *High* ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more to 30·1 ins: in an anticyclone covering France, Spain, and the south of our Islands.
Lowest. Below 29·6 ins: in a depression off the northwest coasts of Norway, and below 29·9 ins: in a secondary approaching our northwest coasts from the southwestward.
Gradients moderate to slight over our Islands.
Barometer changing rather fitfully; it is rising again at Valencia.

TEMPERATURE

Highest, 63° at Biarritz, 62° to 60° over the southern parts of Ireland, 61° at Hurst Castle.
Lowest, 47° to 50° over the greater part of Scotland, 50° at York and Liverpool, 54° at Oxford.
The maxima recorded yesterday touched 70° at Dungeness and Cambridge and 72° at the North Foreland; at the other stations in our Islands they ranged between 69° and 60°. The maximum at Berlin was 75°, at Paris 80°. Over England the night was quite cold; the minima 46° to 43° in the shade and almost a frost on the grass.

WIND

SW to W over our Islands generally — moderate to fresh in force; NW on the eastern shores of the North Sea, E in the south of France.

WEATHER

Changeable all over the United Kingdom — showery in many places, temporarily fine elsewhere.
Rain has fallen except over our northeastern districts, and in the West of Ireland and the Hebrides the fall exceeded 0·3 in: Hail fell last evening in the north of Ireland.
Bright Sunshine recorded yesterday was from 6 to 8 hours at our most western stations; very slight over England.

SEA

Slight to moderate very generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very changeable weather is probable in most places — passing showers, separated by bright intervals, with fresh to moderate breezes from between W. and S,

FORECASTS

For the 24 hours ending at NOON on 20th SEPT 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. to S. winds; changeable, rain at times.
1 SCOTLAND EAST	SW. breezes; changeable weather showers with bright intervals.
2 ENGLAND N.E.	
3 ENGLAND EAST	Same as No 5
4 MIDLAND COUNTIES	Same as Nos 1 and 2.
5 ENGLAND SOUTH	SW and W. breezes; cloudy and slight showers, temporarily fine later, cool.
6 SCOTLAND WEST	Varying W. to S. winds; very changeable weather, showery.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER Dry.	THER Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.75	65	60	SSE	4	b	4
Sumburgh Head							
Stornoway	29.71	54	48	WNW	4	o	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.83	55	51	WNW	6	bc	4
Belmullet	29.96	51	48	W	3	bc	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.08	65	59	W	4	bc	3
Hurst Castle ...							
Dungeness ...	29.99	62	58	SW	4	c	3
North Foreland	30.00	61	58	S	2	o	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.12	64	63	N	4	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 11TH TO THE 17TH SEPT 1898.

With the exception of Monday last, when a large, but shallow, depression moved eastwards over France, the main feature has been the steady prevalence of high pressure areas over the southern half of Europe, and depressions varying in intensity in the west and north, so that while in the former regions there has been a continuance of the droughty conditions recently observed, the west northwestern and northern districts have been marked by very frequent and considerable falls of rain and SW to NW winds. The northwestern parts of Norway have had falls of much more than 2 ins. of rain, and Stornoway (Hebrides) more than an inch, but the southern countries have been very short indeed, and in many places there has been no rain at all.

The deepest and most clearly defined depression was that which reached Norway on Wednesday, and the northern extremity of the Gulf of Bothnia on the following morning, causing strong W to NW gales over northern Europe generally, and much rain in places; the centre then moved eastward over the north of Russia, and had disappeared by Friday night.

About this time the barometer began to fall decidedly over the Atlantic and the western parts of our Islands, and there were indications that the hot dry weather so long prevalent over England was drawing to a close.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 20th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.93	50	S	2	b	30.00	+ .08	50	47	− 3	SSE	4	o	*	b	*	61	45	—
	Hernösand ...	29.73	52	S	4	c	29.73	− .08	49	49	− 1	S	2	r	*	c	*	59	43	—
	Stockholm ...	29.80	57	SW	2	o	29.78	− .09	49	44	− 7	W	4	b	*	o	*	68	46	—
	Wisby	29.87	56	WNW	8	o	29.87	− .06	51	50	− 7	NW	8	b	*	o	*	68	50	—
	Karlstad ...	29.82	51	SW	4	b	29.82	+ .01	44	42	− 11	W	2	b	*	b	*	*	*	—
	Bodö	29.74	49	WSW	4	r	29.81	+ .23	48	46	− 10	NNE	4	r	1	r	*	59	46	0.55
	Christiansund ...	29.78	50	WSW	4	r	29.66	− .01	48	45	− 3	SSW	1	c	2	r	*	50	46	0.20
	Skudesnaes ...	29.90	51	WSW	6	c	29.92	+ .06	48	45	− 4	2	o	bc	2	c	*	52	43	*
	Færder (Christiania Fjord)	29.86	54	WSW	6	b	29.85	+ .09	48	44	− 10	W	4	b	4	b	*	59	48	—
	Skagen (The Scaw)	29.93	53	WNW	4	b	29.89	+ .03	54	48	− 3	WNW	3	b	0	b	*	59	50	—
	Fanö	30.05	58	W	5	c	29.89	− .05	58	57	+ 1	WSW	2	c	*	c	*	61	57	0.08
BRITISH ISLANDS.	Sumburgh Head	29.85	46	WNW	2	bc	29.65	− .06	52	51	+ 4	SSE	3	r	4	c, bc	*	52	40	0.11
	Stornoway ...	29.85	54	SW	3	o	29.55	− .29	57	56	+ 10	WSW	3	r	3	bc, o	7.5	58	44	0.50
	Wick	29.90	54	NW	1	c	29.60	− .23	56	55	+ 7	S	2	r	2	c	*	56	42	0.25
	Nairn	29.90	52	E	1	bc	29.63	− .26	61	60	+ 12	WSW	2	r	1	bc	*	63	42	0.06
	Aberdeen ...	29.93	52	Z	o	bc	29.73	− .21	57	56	+ 7	SW	4	or q, q	3	b, bc	10.4	62	50	0.29
	Leith	29.93	55	Z	o	o	29.79	− .19	61	58	+ 12	W	5	o	*	o	*	61	48	0.03
	Shields	29.94	56	S	3	o	29.91	− .11	58	57	+ 6	SSW	3	op	2	p, o	*	58	50	0.01
	Spurn Head ...	29.99	58	SSW	5	o	30.01	− .10	61	58	+ 6	WSW	4	op	3	o	*	65	54	0.03
	York	29.99	58	S	1	c	30.00	− .11	60	58	+ 10	WSW	2	o	*	op, cp	0.8	60	49	0.05
	Loughborough ...	30.06	61	WSW	2	c	30.08	− .09	61	58	+ 9	SW	3	o	*	cp, o, o, c	*	66	52	0.02
	Ardrossan ...	29.94	57	S	2	ow	29.84	− .10	59	58	+ 4	S	4	ow	3	ow	*	61	53	0.10
	Malin Head ...	29.89	57	SSW	3	r	29.77	− .11	59	59	+ 7	W	5	o	3	bc, r	*	59	52	0.15
	Belmullet ...	29.90	62	WSW	5	o	29.85	− .10	62	60	+ 5	WSW	6	oq	*	c, o	*	62	54	0.05
	Donaghadee ...	29.96	59	W	2	o	29.90	− .05	59	58	+ 7	WSW	5	c	3	o	*	60	51	0.10
	Liverpool (Bidston)	30.02	62	WSW	4	o	30.02	− .03	61	57	+ 11	SW	1	bc	2	o, p	*	65	49	0.06
	Holyhead ...	30.02	60	WSW	3	o	30.01	+ .02	60	59	+ 5	SW	4	cmp	3	d, c, o	*	63	54	0.06
	Parsonstown ...	30.01	62	Z	o	o	29.98	+ .05	62	59	+ 2	SW	1	o	*	op, o	0.8	64	57	0.06
	Valencia ...	30.03	63	SSW	4	og	30.00	− .04	63	60	+ 1	S	4	og	4	c, og	0.7	65	60	—
	Roche's Point ..	30.08	62	WSW	4	c	30.05	+ .01	62	60	0	WSW	4	c	4	c	*	64	60	—
	Pembroke (St. Ann's Hd.)	30.11	61	WSW	4	o	30.10	+ .05	62	60	+ 4	WSW	4	b	4	o	0.9	63	58	0.07
	Scilly	30.19	62	SW	4	c	30.12	− .05	64	60	+ 3	SSW	3	c	2	c	5.0	69	57	—
	Prawle Point ...	30.20	60	WSW	4	c	30.18	− .06	61	59	+ 4	SW	3	b	3	cp, c	*	65	50	0.01
	Jersey (St. Aubin's)	30.26	64	W	2	c	30.21	− .11	64	60	+ 4	WSW	3	bcm	3	bc, cw	*	68	52	—
	Hurst Castle ...	30.22	63	SW	5	o	30.17	− .08	63	61	+ 2	WSW	3	c	3	op, o	*	65	60	0.01
	Dungeness ...	30.19	61	SW	5	c	30.15	− .13	64	60	+ 15	W	3	bc	2	c	*	66	48	0.01
	North Foreland	30.20	59	S	3	o	30.15	− .13	62	59	+ 11	S	3	bc	2	c, o	*	64	51	—
	London (Brixton) ...	30.16	59	WSW	2	o	30.15	− .11	61	59	+ 7	SSW	3	o	*	bc, cp, c	2.0	65	53	0.01
	Oxford	30.14	60	SW	2	o	30.13	− .09	58	57	+ 5	SW	2	c	*	op	*	60	52	0.03
	Cambridge ...	30.12	59	SSW	3	o	30.11	− .12	61	59	+ 8	SW	2	o	*	c, op	4.1	67	57	—
	Yarmouth ...	30.10	60	SW	4	c	30.07	− .13	60	58	+ 8	WSW	3	bc	3	c	*	63	51	—
GERMANY & HOLLAND.	Cuxhaven ...	30.17	59	W	2	b	30.00	− .03	54	54	− 5	SW	4	o	*	b	*	61	52	0.04
	Berlin	30.17	56	NW	2	b	30.15	+ .17	50	47	− 9	SW	2	c	*	b	*	63	46	0.04
	Wiesbaden ...	*	*	*	*	*	30.24	+ .07	47	45	− 12	Z	o	b	*	*	*	66	47	—
	Munich... ..	30.30	57	Z	o	o	30.28	+ .06	52	48	− 9	W	2	b	*	o	*	63	46	0.04
	The Helder ...	30.15	59	SW	3	r	30.04		63	60		W	2	o	?	r	*	63	57	0.04
BELGIUM.	Brussels ...	*	*	*	*	*	30.19	− .09	57	54	+ 2	WSW	2	o	*	b	*	64	50	—
	Cape Gris Nez...	?	62	W	5	o	?	?	63	60	+ 7	W	4	o	4	o	*	64	52	0.04
	Paris	30.28	57	E	1	b	30.25	− .09	49	48	− 1	SSE	1	m	*	b	*	66	45	—
	Brest	30.26	62	SW	1	b	30.19	− .10	55	53	− 4	ENE	1	b	1	b	*	66	52	—
	Lorient... ...	30.28	63	Z	o	bc	30.20	− .12	56	55	+ 1	E	3	bc	2	bc	*	72	52	—
FRANCE &	Rochefort ...	30.23	66	NNW	4	bc	30.17	− .12	56	55	+ 1	ESE	3	b	*	bc	*	79	54	—
	Belfort	30.21	61	ENE	2	o	30.23	− .04	50	48	− 5	N	1	m	*	o	*	73	45	—
	Lyons	30.24	62	NNE	2	b	30.24		55	50		NNW	1	b	*	b	*	70	52	—
	Nice																*			
	Perpignan ...	30.16	72	NW	2	o	30.17	− .04	59	56	− 9	SW	1	b	*	o	*	80	54	—
	Biarritz ...	30.13	68	NNE	4	b	30.08	− .15	59	56	− 6	E	4	b	2	b	*	75	55	—
PENINSULA.	Corunna ...																*			
	Lisbon	30.03	75	Z	o	b	30.02	− .09	71	66	+ 1	S	1	b	*	b	*	84	68	—
	Azores (P. Delgada)	29.90	69	NNW	1	bc	29.87	− .16	70	66	+ 1	W	2	c	3	bc	*	73	64	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

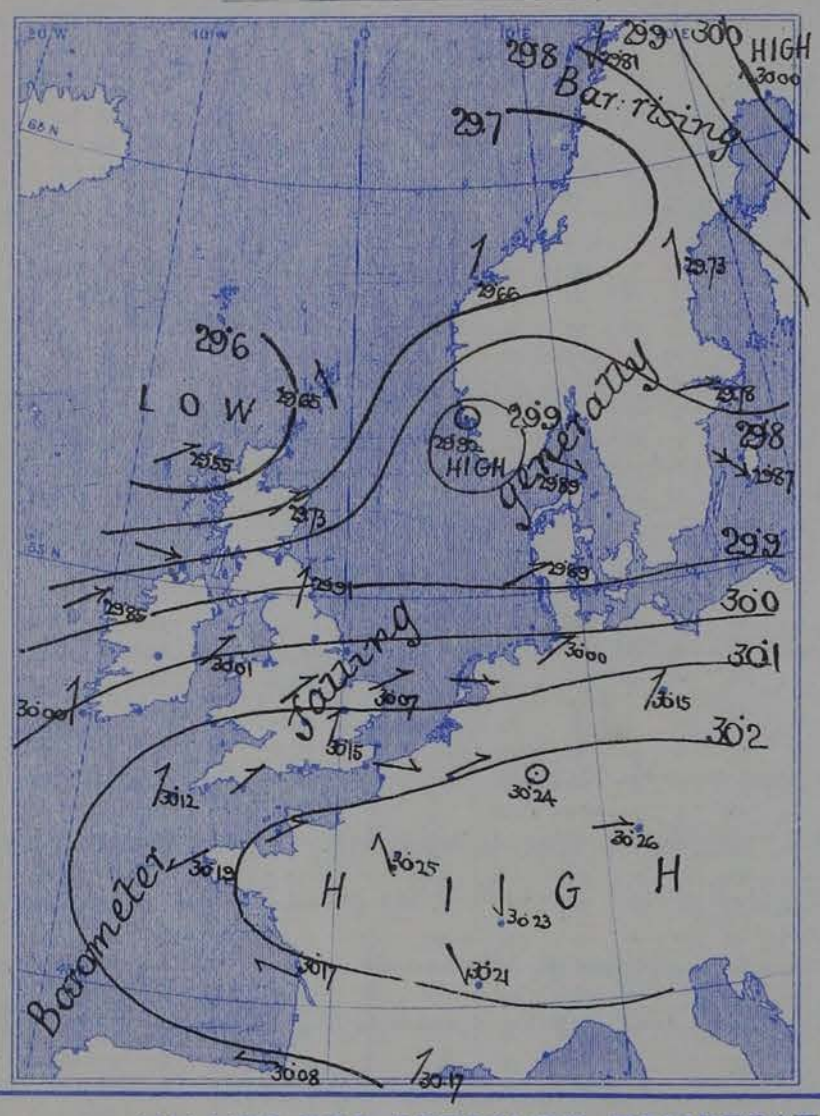
Bright Sunshine yesterday Southport 1·4 hrs;

WEATHER CHARTS

FOR Tuesday, 20th September, 1898

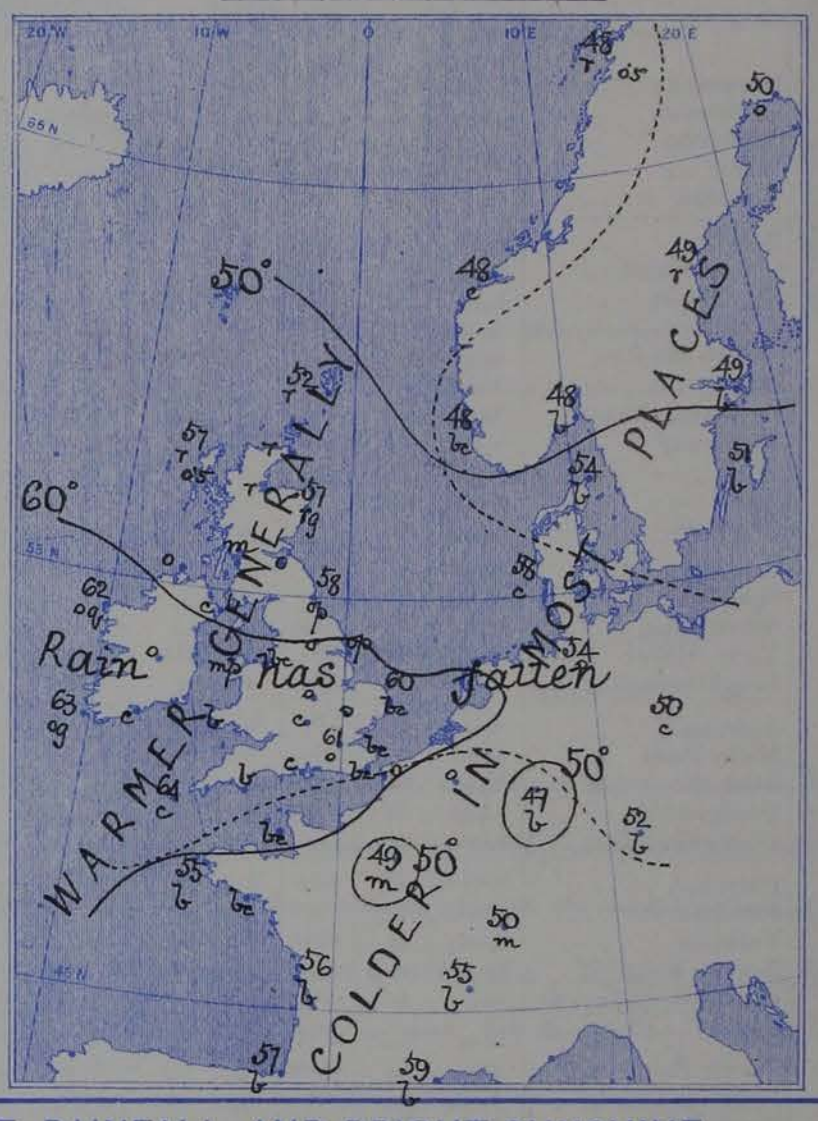
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more to 30.0 ins. in an anticyclone covering Germany, France and the southern parts of England.
Lowest. Below 29.6 ins. in the N. of Scotland and below 29.7 ins. over the N.W. of Norway.
Gradients moderate over our Islands, slight over France & Germany; Distribution complex on the N. Barometer falling a little over France and England, decidedly over Scotland.

TEMPERATURE

Highest 64° to 60° over the most S^rn. and SW^rn. parts of our Islands, 61° at Nairn 59° at Aberdeen.
Lowest 44° to 49° over the greater part of Scandinavia, 47° at Wiesbaden, 49° at Paris.
The maxima recorded yesterday were below 70° all over our Islands and below 60° in the N. of Scotland. The night was much warmer than that which preceded it.

WIND

W^rly to S^rly over the United Kingdom, and were moderate to light in force; light and anticyclonic over France; light from between SE. and NE. over Lapland.

WEATHER

Very rainy over Scotland, very dull over Ireland, fair over the S^rn. half of England (bright on our South coast). Very fine over France, but hazy in Paris.
There has been considerable rain at the Scotch stations, less in Ireland and slight showers in several parts of England, the N. of France and Holland. Bright sunshine yesterday was abundant in the E. of Scotland, 3 to 5 hrs. in the S. of England, hardly any in Ireland.

SEA

Moderate on our extreme SW^rn. and N^rn. coasts, slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further showers are probable in the W. and N., but in the S. and E. fair, (not settled) conditions are indicated.

FORECASTS

For the 24 hours ending at NOON on 21st. SEPT. 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SW^ly. winds, strong to fresh, showery.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as No^s. 0 and 1.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW^ly. breezes, moderate, fair as a whole, warm, not settled.	8 ENGLAND S.W.	Same as No^s. 2 to 5.
		9 IRELAND NORTH 10 IRELAND SOUTH	SW^ly. and S^ly. winds, strong; squally, showery.
		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	29.91	52	48	WNW	4	c	3
Sumburgh Head	29.77	48	45	WNW	3	c	4
Stornoway	29.87	58	52	WNW	3	bc	3
Aberdeen	29.92	58	51	SE	2	b	2
Shields	29.95	56	53	SW	3	o	2
Ardrossan	29.92	61	60	W	1	om	1
Malin Head ...	29.91	59	57	NW	1	bc	1
Belmullet	29.93	61	60	WSW	4	c	*
Holyhead	29.99	63	61	WSW	5	c	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.04	64	62	SSW	4	o	5
Scilly	30.19	68	64	SW	4	c	3
Jersey	30.29	65	57	WSW	3	bc	3
Hurst Castle ...	30.22	62	58	SW	5	op	3
Dungeness ...	30.22	62	55	SW	4	c	3
North Foreland	30.25	60	53	S	3	c	2
London (Westminster)	30.18	64	58	WSW	2	op	*
Yarmouth ...	30.15	63	54	SSW	4	c	3
Rochefort ...	30.29	73	68	E	0	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright (1) over the S.rn half of Europe, as well as the greater part of England and N. Germany; (2) over Lapland, Finland and the Baltic; changeable and unsettled elsewhere, with rain at several of our SW.rn and W.rn stations and the W. of Norway, as well as over central Russia. Considerable rain later over the NW. of Norway and the N. of Scotland; smaller quantities in Ireland, and showers locally over England and the NW. of France.

Temperature changing abruptly over W.rn Europe, having fallen from 10° to 15° in many places; readings still above 70° over the S.rn and E.rn parts of the Mediterranean and the W. and N. of Spain, but as low as (1) 37° at Archangel, and 42° to 44° over central Russia, 45° to 50° over central Europe; (2) 47° to 50° over the N.rn and E.rn parts of Scotland, 50° at York and Liverpool. Failing to reach 70° later over our Islands, Germany and the N. of France, but touching 79° at Rochefort, 80° at Perpignan. Succeeding night warm over England.

Wind (1) still light and anticyclonic over the Mediterranean and S.rn half of England, as well as over the White Sea and Finland; (2) SW.ly to SE.ly over our Islands, moderate to strong in force, and NE.ly to NW.ly and W.ly over Russia. No decided change later, but slight local variations from between S. and W. over the United Kingdom.

Barometer in morning highest 30.3 ins. and more to 30.1 ins. over France, the Bay of Biscay, the S.rn parts of England and W.rn Germany, as well as over the most N.rn parts of the Continent. Lowest (1) below 29.6 ins. off the NW. of Norway, and below 29.9 ins. in secondary disturbances, both off our NW. coasts, and over the S. of Scandinavia; (2) 29.7 ins. and less to 29.8 ins. over central Russia. Changing fitfully later over the British Islands, but rising over Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 21st September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.99	46	↙	0	b	29.92	-.08	45	45	- 5	E	2	f	*	b	*	55	43	-
	Hernösand ...	29.84	47	SSE	2	bc	29.78	+.05	49	48	0	SE	4	o	*	bc	*	52	45	0.28
	Stockholm ...	29.77	47	NW	2	b	29.76	-.02	46	44	- 3	SSE	2	b	*	b	*	57	45	-
	Wisby	29.79	53	NNW	4	b	29.78	-.09	50	48	- 1	S	4	c	*	b	*	55	48	-
	Karlstad ...	29.81	45	↙	0	b	29.70	-.12	46	46	+ 2	N	2	r	*	b	*	*	*	-
	Bodö	29.81	52	E	4	bc	29.75	-.06	51	46	+ 3	E	4	bc	1	bc	*	52	46	-
	Christiansund ...	29.73	46	W	1	b	29.52	-.14	48	46	0	W	1	c	2	b	*	50	48	-
	Skudesnaes ...	29.67	50	SSE	7	o	29.61	-.31	55	54	+ 7	NNW	6	r	3	o	*	55	43	*
	Færder (Christiania Fjord)	29.81	54	SW	2	o	29.61	-.24	48	46	0	ENE	5	o	3	o	*	55	46	0.20
	Skagen (The Scaw)	29.83	52	W	1	r	29.65	-.34	57	57	+ 3	W	3	m	0	r	*	57	50	0.35
	Fanö	29.84	60	WSW	5	o	29.71	-.18	60	59	+ 2	W	6	o	*	o	*	63	57	0.08
BRITISH ISLANDS.	Sumburgh Head	29.45	55	W	3	o	29.66	+.01	50	48	- 2	NNW	4	o	6	a.c.o	*	58	48	0.16
	Stornoway ...	29.57	55	W	4	o	29.91	+.36	51	48	- 6	NW	4	o	4	r.c.o	1.6	59	46	0.80
	Wick	29.56	58	NW	3	o	29.85	+.25	50	49	- 6	N	4	opq	2	o	*	60	48	0.22
	Nairn	29.59	61	WSW	3	c	29.90	+.27	53	50	- 8	SW	2	c	2	c	*	65	50	0.02
	Aberdeen ...	29.63	61	SW	5	opq	29.87	+.14	54	49	- 3	NW	4	cq	3	c.q.p.oq	0.2	64	53	0.01
	Leith	29.71	61	W	5	o	29.91	+.12	54	50	- 7	W	2	b	*	o	*	69	49	0.03
	Shields	29.85	64	SW	3	c	29.92	+.01	55	52	- 3	W	3	c	2	bc.p.c	*	69	53	-
	Spurn Head ...	29.95	64	WSW	4	b	29.94	-.07	59	57	- 2	WSW	4	c	3	c.b	*	68	57	-
	York	29.96	65	WSW	1	c	29.96	-.04	61	58	+ 1	WSW	2	o	*	o.c	1.3	69	58	-
	Loughborough ...	30.03	65	SW	1	bc	30.04	-.04	58	55	- 3	WSW	2	cu	*	c.bc.b	*	73	54	-
	Ardrossan ...	29.78	59	S	5	rm	29.96	+.12	55	53	- 4	W	4	o	3	om.rm	*	60	53	0.10
	Malin Head ...	29.77	57	W	4	o	30.00	+.23	54	52	- 5	NNW	2	c	1	o.dm.o	*	64	52	0.11
	Belmullet ...	29.94	61	WSW	5	oqp	30.03	+.18	55	54	- 7	ENE	3	o	*	r.oqp	*	63	54	0.38
	Donaghadee ...	29.87	64	WSW	5	†	30.00	+.10	55	53	- 4	NNW	3	c	1	r	*	65	53	0.03
	Liverpool (Bidston)	29.99	62	SW	4	b	30.01	-.01	60	57	- 1	WSW	4	o	3	b	*	67	55	-
	Holyhead ...	30.01	60	SW	6	bcm	30.01	.00	58	57	- 2	WSW	1	c	1	bm.bcm	*	64	55	-
	Parsonstown ...	29.97	65	W	1	b	30.03	+.05	57	55	- 5	↙	0	cw	*	b	8.5	69	51	-
	Valencia ...	30.00	63	S	2	bc	30.02	+.02	56	55	- 7	E	1	b	4	c.bc	5.5	67	50	-
	Roche's Point ..	30.05	61	WSW	3	bc	30.04	-.01	56	55	- 6	N	3	f	3	bc	*	64	53	-
	Pembroke (St. Ann's Hd.)	30.07	61	SW	4	b	30.05	-.05	60	58	- 2	↙	0	bc	2	b	8.3	65	59	-
	Scilly	30.08	62	SSE	2	bc	30.00	-.12	62	60	- 2	ESE	4	c	4	b.bcl	9.6	69	57	-
	Prawle Point ...	30.12	58	SSE	1	b	30.06	-.12	59	58	- 2	ENE	3	c	2	c.b	*	65	55	-
	Jersey (St. Aubin's)	30.13	69	↙	0	b	30.07	-.14	58	54	- 6	ESE	2	c	2	b.bw	*	70	53	-
	Hurst Castle ...	30.13	64	SW	3	b	30.08	-.09	58	57	- 5	NE	1	cm	1	b	*	68	52	-
	Dungeness ...	30.10	63	SW	4	bc	30.08	-.07	56	55	- 8	NNW	1	cf	0	bc.b	*	70	46	-
	North Foreland	30.10	64	SW	3	bc	30.07	-.08	58	54	- 4	SSW	2	bc	2	bc	*	72	52	-
	London (Brixton) ...	30.10	66	W	2	bc	30.09	-.06	57	54	- 4	SW	2	c	*	bc.b	6.1	73	48	-
	Oxford	30.09	60	WSW	2	b	30.08	-.05	52	52	- 6	SW	1	of	*	c.b	*	72	50	-
	Cambridge ...	30.05	66	SW	1	b	30.06	-.05	57	55	- 4	WSW	2	bw	*	b	3.6	74	50	-
	Yarmouth ...	30.03	66	SW	2	b	30.00	-.07	59	55	- 1	W	4	b	2	bc.b	*	68	52	-
GERMANY & HOLLAND.	Cuxhaven ...	29.98	61	W	2	o	29.84	-.16	61	60	+ 7	WSW	4	o	*	o	*	63	54	-
	Berlin	30.02	58	W	4	o	29.95	-.20	59	57	+ 9	W	4	o	*	o	*	63	50	-
	Wiesbaden ...	*	*	*	*	*	30.14	-.10	51	50	+ 4	W	1	b	*	*	*	66	47	-
	Munich	30.23	53	SW	1	b	30.21	-.07	51	49	- 1	SW	2	b	*	b	*	63	43	-
	The Helder ...	30.01	63	WSW	2	c	29.95	-.09	64	60	+ 1	W	3	b	3	c	*	66	61	-
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30.10	-.09	57	55	0	WSW	1	bc	*	b	*	67	50	-
	Cape Gris Nez ...	?	62	WSW	3	c	?	?	62	59	- 1	SW	2	bc	2	c	*	66	54	-
	Paris	30.14	60	SSE	1	b	30.12	-.13	48	48	- 1	NNE	1	b	*	b	*	69	46	-
	Brest	30.07	66	S	1	b	29.99	-.20	60	55	+ 5	E	2	c	2	b	*	72	52	-
	Lorient	30.09	69	↙	0	b	30.01	-.19	57	57	+ 1	E	2	c	5	b	*	73	52	-
	Rochefort ...	30.05	73	E	2	b	29.98	-.19	57	55	+ 1	E	3	c	*	b	*	84	54	-
	Belfort	30.13	59	ENE	4	m	30.15	-.08	51	47	+ 1	ENE	2	m	*	m	*	70	45	-
	Lyons	30.12	64	N	1	b	30.12	-.09	54	46	- 1	SE	1	b	*	b	*	73	49	-
	Nice	30.05	67	↙	0	b	30.06	+.02	65	60	+ 1	E	2	b	0	b	*	75	63	0.04
	Perpignan ...	30.02	65	↙	0	b	30.06	-.11	60	58	+ 1	SW	1	bc	*	b	*	81	54	-
	Biarritz ...	29.98	69	ENE	3	b	29.90	-.18	63	59	+ 6	E	3	b	2	b	*	82	57	-
PENINSULA.	Corunna ...																*			
	Lisbon	29.96	70	WSW	3	c	29.89	-.13	72	66	+ 1	SSE	4	c	*	c	*	77	68	-
	Azores (P. Delgada)	29.84	68	NNW	3	bc	29.80	-.07	69	68	- 1	WSW	1	o	3	bc	*	75	64	0.08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

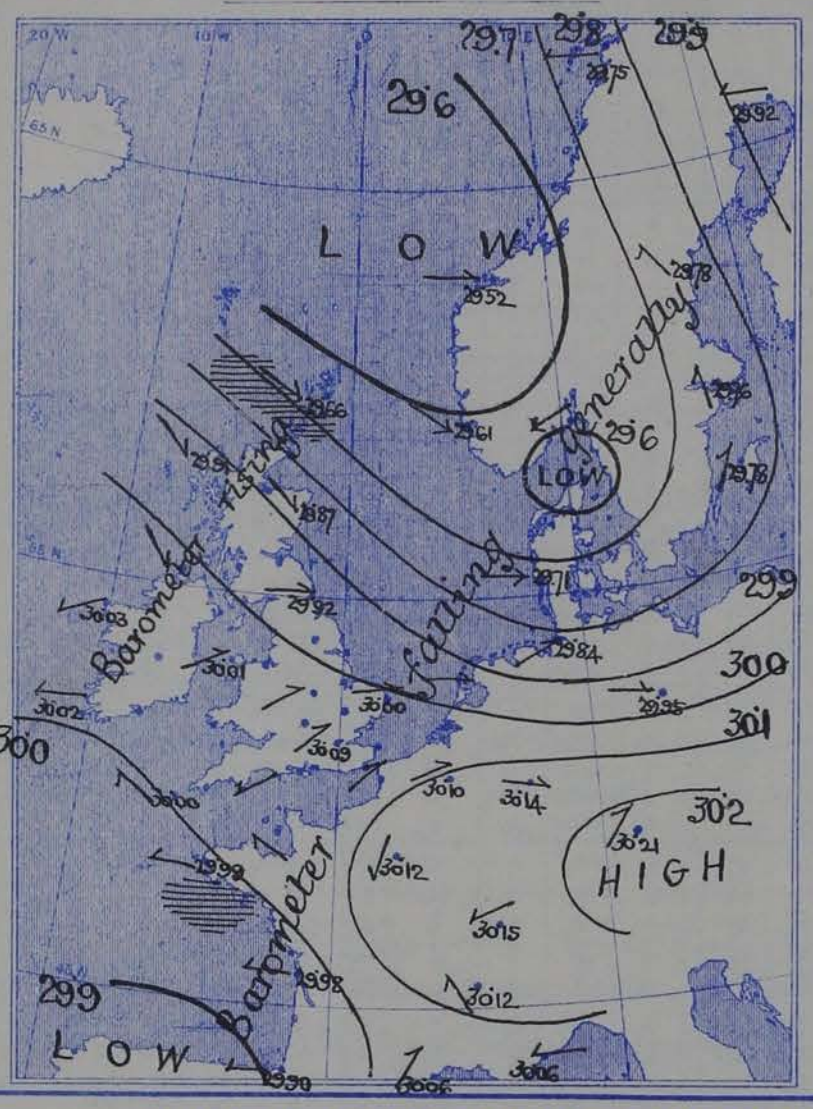
Bright Sunshine yesterday Southport 7.7 hrs;

WEATHER CHARTS

FOR Wednesday, 21st September, 1898

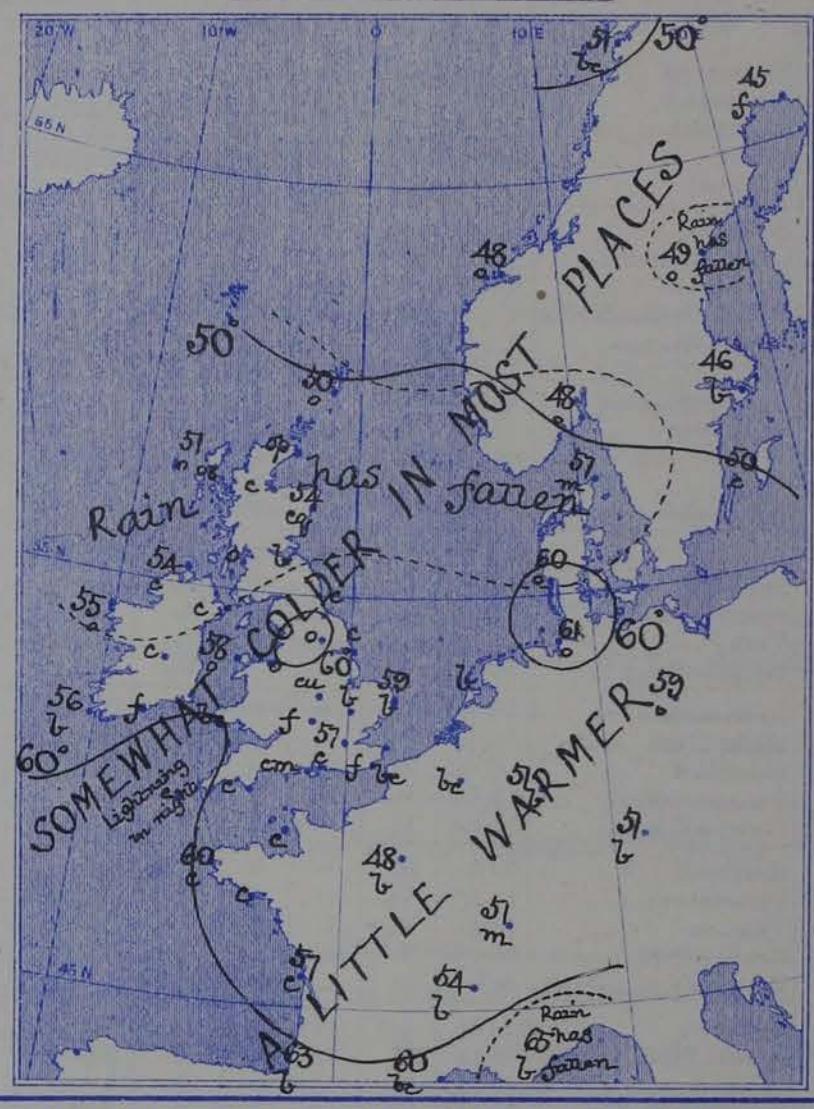
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and more to 30·1 in: over Germany and France, and exceeding 30·0 in: in a ridge extending thence across England & Ireland.
Lowest, Below 29·6 in: in a complex disturbance over Norway and Denmark.
Gradients moderate to slight, and changing a great deal in direction.
Barometer rising fast at our northern stations, falling elsewhere, especially on the Continent.

TEMPERATURE

Highest, 65° to 60° over the southern parts of France, 59° to 61° over North Germany; 55° to 61° over England.
Lowest, (1) 45° to 50° at the Swedish stations, 48° at Paris, 51° at Belfort.
Maxima of 70° to 74° were recorded yesterday over the greater part of England, but below 65° over the major part of Scotland.
The night was cool.

WIND

(1). W. (NW to SW) over the greater part of our Islands, S. to E. over Sweden and Lapland.
(2). E. over the Bay of Biscay and at the mouth of the English Channel.
(3). Light and anticyclonic over France and Germany.

WEATHER

Cloudy as a whole over our Islands and Norway, with showers at several of the northern stations, and fog or haze in the south.
Over France it is still fine and bright.
A good deal of rain has fallen in the north, and a little in the northwest; lightning occurred at Scilly last night.
Bright Sunshine yesterday was much greater at our eastern and southeastern stations than elsewhere.

SEA

Rough at Scarborough Head, moderate to rather rough at our extreme western and southwestern stations (although wind is light)

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Weather appears to be in a transitional state towards colder and more showery conditions.

FORECASTS

For the 24 hours ending at NOON on 22ND SEPT. 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	NW. and N. winds; colder weather, changeable, some rain.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Wind shifting to NW. and N; some rain, possibly thunder, then cooler.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 to 2.
8 ENGLAND S.W.	NE. winds, freshening; colder.
9 IRELAND NORTH 10 IRELAND SOUTH	N. and NE. breezes, moderate; fair, colder.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.85	54	48	SSE	4	0	2*
Sumburgh Head	29.51	55	55	SW	1	c	4
Stornoway	29.53	58	56	NSW	5	c	5
Aberdeen	29.66	63	59	SW	4	cq	3
Shields	29.88	65	59	SW	3	bc	2
Ardrossan	29.80	60	59	S	5	rm	4
Malin Head ...	29.75	63	62	SW	6	o	4
Belmullet	29.86	62	61	NSW	6	r	*
Holyhead	30.02	63	61	SW	5	bm	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.00	66	63	S	4	c	5
Scilly	30.11	66	62	SSE	2	b	2
Jersey	30.18	69	62	SSE	3	b	3
Hurst Castle ...	30.14	68	63	SW	4	b	3
Dungeness ...	30.11	67	62	NSW	4	bc	3
North Foreland	30.12	70	61	SW	2	bc	2
London (Westminster)	30.11	74	64	N	2	bc	*
Yarmouth ...	30.05	68	60	N	3	bc	3
Rochefort ...	30.09	75	?	ESE	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the Mediterranean, southern and central Europe, very variable in our Islands, dull generally, and rainy over our northwestern and northern districts and in the northwest of Norway, and dull over the northern half of Russia. Rain falling later in several parts of Scandinavia and in the northern parts of Ireland and over Scotland. Remaining dry over the more southern countries. Lightning seen at Scilly at night.

Temperature rises decidedly over Great Britain but changing fitfully elsewhere. Morning readings highest 77° at Barcelona, and above 70° at many stations on the southern side of the Mediterranean, 69° to 64° on the northern shores; above 60° in many parts of the British Island. Lowest: (1) 41° at Kiev, 42° at Moscow, and below 50° over the inland parts of Russia generally; (2) 48° on the west coasts of Norway, 52° at Sumburgh Head. Rising later to between 70° and 74° over the inland parts of England, but not exceeding 63° at Berlin and 63° at Paris. Touching 81° at Perpignan, 82° at Biarritz, and 84° at Rochefort.

Wind (1) still light and anticyclonic over the Mediterranean and nearly all the southern half of Europe; (2) cyclonic over the more northern countries — W² to S³ over our Islands, variable over Scandinavia and SE³ over Finland. Blowing a gale from NW. at Wick, a fresh breeze from the same quarter at Rye, but a moderate breeze from SE. at Hangö.

Barometer highest 30.2 ins. and more to 30.0 ins. in a large anticyclone covering the southern half of Europe, and in another system over the White Sea and north of Russia. Lowest, below 29.6 ins. in a depression off the northwest of Scotland, and below 29.7 ins. in another over the northern half of Norway. Changing fitfully later, but inclined to rise on our northwest coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 22nd September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.78	43	W	0	0	29.61	-.31	46	45	+.1	NNW	2	0	*	0	*	52	39	-
	Hernösand ...	29.68	44	W	0	b	29.57	-.21	46	46	-3	NE	2	r	*	b	*	52	43	0.04
	Stockholm ...	29.65	50	W	0	0	29.49	-.27	?	?	?	SE	4	0	*	0	*	55	39	-
	Wisby	29.59	48	S	4	r	29.52	-.26	52	51	+2	ESE	2	0	*	r	*	55	41	0.28
	Karlstad ...	29.65	46	NE	2	0	29.44	-.29	48	47	+2	W	2	0r	*	0,r	*	*	*	0.08
	Bodö	29.62	50	E	4	c	29.60	-.15	49	45	-2	E	2	c	1	c	*	54	46	-
	Christiansund ...	29.48	49	NW	8	r	29.62	+.10	43	42	-5	ESE	2	r	3	r	*	54	43	0.32
	Skudesnaes ...	29.78	51	NW	7	0	29.71	+.10	49	45	-6	NW	10	c	5	c.0	*	55	46	*
	Færder (Christiania Fjord)	29.65	50	NNW	1	0	29.49	-.12	51	46	+3	W	6	b	4	0	*	51	46	-
	Skagen (The Scaw)	29.72	53	NNW	1	0	29.59	+.04	50	47	-7	NNW	7	bc	2	0	*	57	50	-
	Fano	29.80	55	W	6	b	29.82	+.11	54	50	-6	NNW	6	c	*	b	*	61	52	0.04
BRITISH ISLANDS	Sumburgh Head	29.79	48	NNW	4	c	29.96	+.30	48	46	-2	N	4	c	6	0,c	*	51	44	0.02
	Stornoway ...	30.02	51	NW	4	0	30.16	+.25	49	46	-2	N	3	c	3	0	0.3	53	44	-
	Wick	29.94	56	NNW	5	0	30.10	+.25	48	46	-2	NNW	5	0	3	0	*	68	44	0.05
	Nairn	30.01	52	W	2	c	30.16	+.26	50	48	-3	W	1	0	0	0	*	58	42	-
	Aberdeen ...	30.00	50	NW	3	bc	30.13	+.26	51	45	-3	WNW	3	bc	2	bcq,bc	6.9	59	42	-
	Leith	29.97	57	W	3	bc	30.16	+.25	48	45	-6	W	1	bm	*	bc	*	66	42	-
	Shields	30.00	57	W	1	c	30.12	+.20	53	49	-2	NE	2	0	3	c	*	66	45	-
	Spurn Head ...	30.00	56	ENE	2	c	30.10	+.16	54	52	-5	NW	3	c	3	c	*	60	52	-
	York	30.00	62	W	2	b	30.13	+.17	47	45	-14	N	1	b	*	c,b	5.1	67	42	-
	Loughborough ...	30.08	65	W	2	bc	30.13	+.09	54	51	-4	WNW	1	bw	*	bc.c.om	*	73	52	-
	Ardrossan ...	30.02	56	WNW	4	b	30.16	+.20	48	46	-7	NE	1	bf.w	1	bc.b	*	59	40	-
	Malin Head ...	30.07	54	NNW	2	c	30.18	+.18	52	50	-2	N	2	c	2	bc.c	*	57	50	-
	Belmullet ...	30.09	55	NE	2	b	30.19	+.16	54	52	-1	E	3	b	*	c,b	*	59	45	0.01
	Donaghadee ...	30.07	56	NNW	4	bc	30.17	+.17	53	49	-2	NNE	5	b	3	bc	*	62	48	-
	Liverpool (Bidston)	30.07	55	W	0	p	30.13	+.12	54	50	-6	NNW	1	0	1	omp	*	60	53	0.02
	Holyhead ...	30.05	56	NE	1	gmpd	30.15	+.14	54	49	-4	N	2	c	1	og,pd	*	61	49	0.01
	Parsonstown ...	30.06	62	W	0	0	30.17	+.14	52	49	-5	NW	1	0	*	c,od	3.2	67	52	-
	Valencia ...	30.04	63	W	0	bc	30.13	+.11	59	57	+3	W	0	bw	3	bc	10.2	66	50	-
	Roche's Point ..	30.05	59	SE	1	b	30.14	+.10	57	56	+1	ESE	2	m	3	f,b	*	64	51	-
	Pembroke (St. Ann's Hd.)	30.00	61	NE	3	b	30.11	+.06	55	54	-5	NE	2	bw	3	b	8.1	65	54	-
	Scilly	29.99	62	ENE	3	c	30.01	+.01	63	60	+1	ENE	3	bcm	2	c	5.6	67	58	-
	Prawle Point ...	30.02	61	NE	3	bc	30.04	-.02	62	58	+3	NE	4	bc	4	bc	*	69	56	-
	Jersey (St. Aubin's)	29.98	68	ENE	3	b	29.99	-.08	64	60	+6	ENE	3	bm	3	bc.bw	*	73	56	-
	Hurst Castle ...	30.03	66	SSE	1	bc	30.08	.00	58	56	0	NNE	2	bm	2	b.bc	*	72	50	-
	Dungeness ...	30.02	64	SW	2	bc	30.06	-.02	59	58	+3	NNE	1	m	1	c.bef	*	68	48	-
	North Foreland	30.03	66	SW	1	bc	30.09	+.02	61	59	+3	WNW	3	c	2	bc	*	73	56	-
	London (Brixton) ...	30.02	63	WNW	2	b	30.11	+.02	54	53	-3	W	0	f	*	bc.b	5.2	74	48	-
	Oxford	30.06	56	WSW	1	b	30.12	+.04	54	53	+2	N	1	of	*	b,o	*	72	48	-
	Cambridge ...	30.03	66	N	1	c	30.12	+.06	57	54	0	N	1	o	*	b,c	9.5	76	53	-
	Yarmouth ...	29.99	65	ENE	1	bc	30.07	+.07	56	54	-3	WNW	3	b	2	b.bc	*	70	53	-
GERMANY & HOLLAND	Cuxhaven ...	29.89	59	WNW	5	0	29.95	+.11	56	52	-5	W	5	0	*	0	*	63	54	0.08
	Berlin	29.88	62	W	4	b	29.93	-.02	56	53	-3	WNW	4	0	*	b	*	68	54	-
	Wiesbaden ...	*	*	*	*	*	30.10	-.04	51	50	0	NW	1	b	*	*	*	70	48	-
	Munich... ..	30.12	56	SW	2	b	30.15	-.06	53	51	+2	SW	2	b	*	b	*	68	48	-
	The Helder ...	29.98	61	W	2	c	30.05	+.10	59	53	-5	NE	1	c	2	c	*	64	57	-
BELGIUM	Brussels ...	*	*	*	*	*	30.08	-.02	59	56	+2	W	0	b	*	b	*	71	49	-
	Cape Gris Nez...	?	64	SSW	1	bc	?	?	59	57	-3	ESE	1	m	1	bc	*	68	55	-
	Paris	30.03	64	NE	1	b	30.06	-.06	52	51	+4	NNE	2	m	*	b	*	74	48	-
	Brest	29.92	70	ENE	1	b	29.95	-.04	59	57	-1	ENE	2	bc	2	b	*	81	55	-
	Lorient... ...	29.93	70	SSE	1	0	29.96	-.05	60	56	+3	ENE	4	c	2	0	*	81	55	-
FRANCE	Rochefort ...	29.80	87	ESE	1	b	29.92	-.06	64	63	+7	SE	3	c	*	b	*	93	54	-
	Belfort	30.02	68	NE	2	c	30.07	-.08	54	49	+3	NNE	1	m	*	c	*	75	50	-
	Lyons	29.98	71	ESE	1	b	30.06	-.06	60	57	+6	SSE	1	b	*	b	*	81	54	-
	Nice	30.04	67	W	0	bc	30.08	+.02	65	61	0	E	1	b	1	bc	*	79	61	-
	Perpignan ...	29.99	70	ENE	2	0	30.01	-.05	64	64	+4	SW	2	c	*	0	*	77	60	-
	Biarritz ...	29.81	78	ENE	3	b	29.88	-.02	73	64	+10	W	0	r	2	b.l	*	86	63	0.04
PENINSULA	Corunna ...																*			
	Lisbon	29.88	68	SSE	2	0	29.86	-.03	70	67	-2	SSE	4	0	0	0	*	75	66	0.67
	Azores (P. Delgada)	29.69	70	NNE	3	bc	29.81	+.01	69	64	0	N	4	bc	3	bc.	*	75	66	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

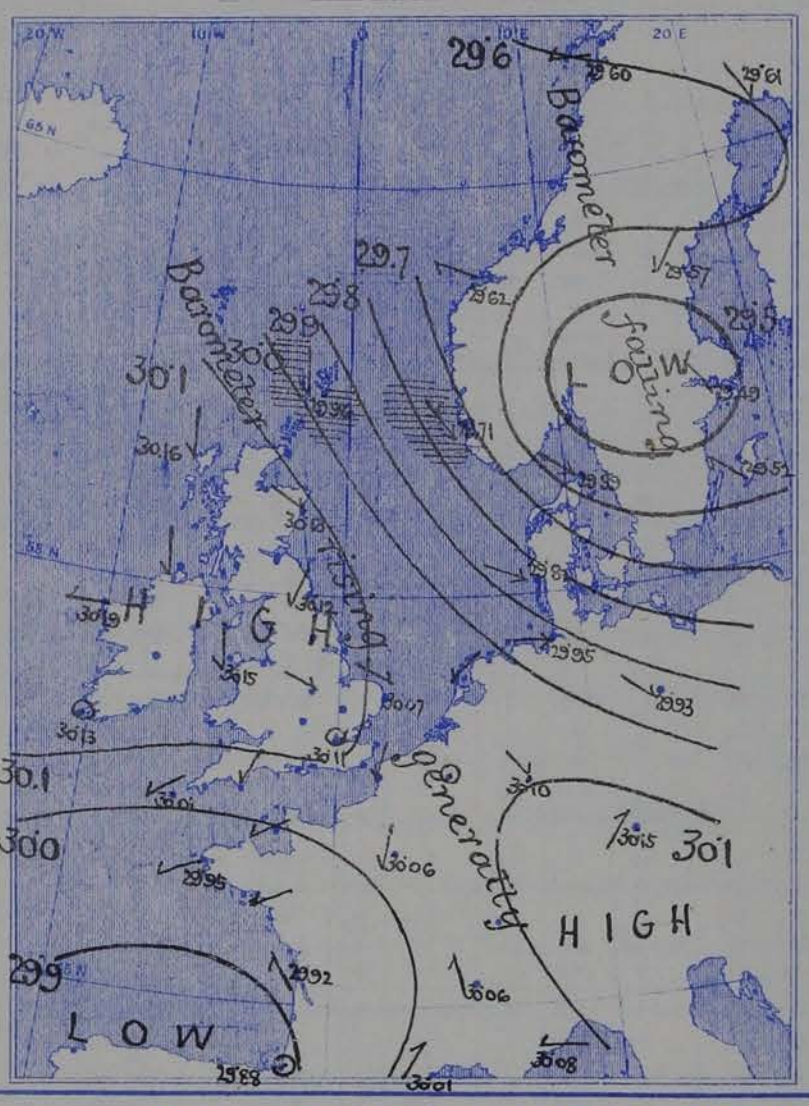
Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Wednesday, 22nd September, 1898

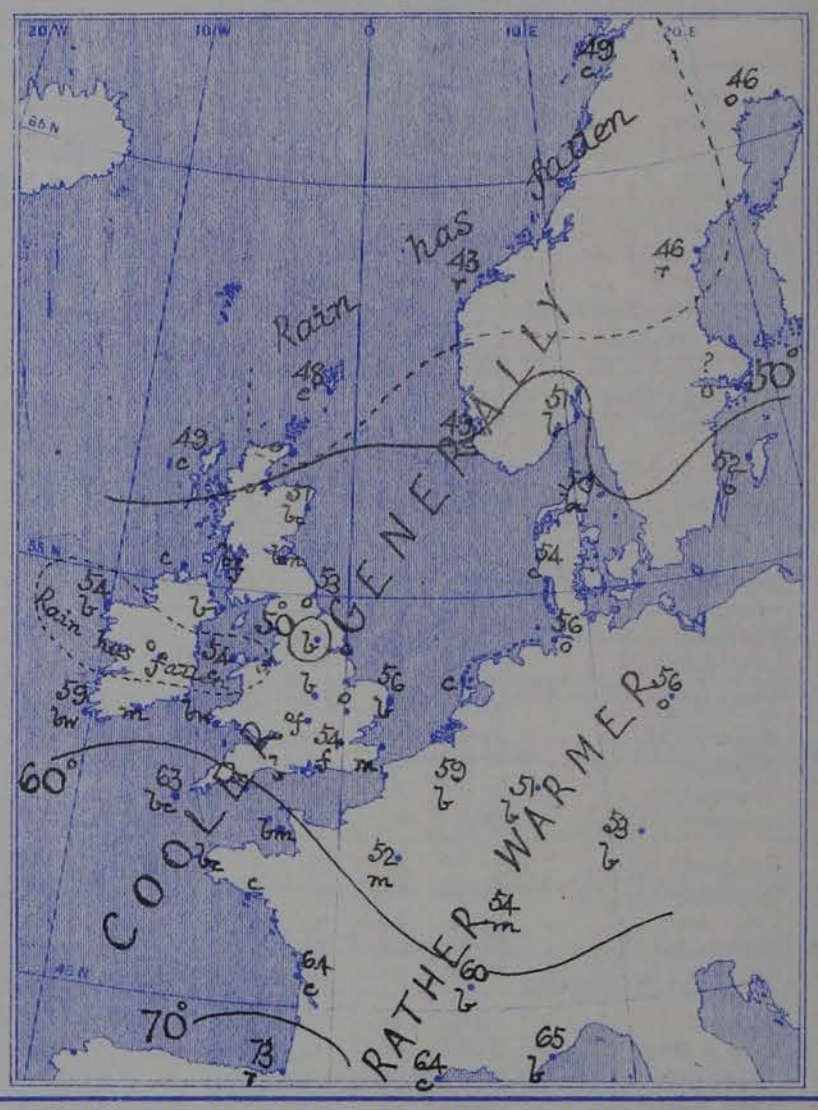
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and upwards in an anticyclone extending from the Atlantic over nearly the whole of our Islands.
Lowest, 29·5 in: and less, in a well marked depression over the southern parts of Sweden; 29 in: and less, in a shallow area over the Bay of Biscay and the French Peninsula.
Gradients slight generally, but rather steep over the eastern parts of the North Sea.
Barometer rising at all but the Swedish stations.

TEMPERATURE

Highest, 73° at Biarritz, 70° at Lisbon, 65° at Nice, and 64° at Jersey, Rochefort, and Perpignan.
Lowest, 43° at Christiansund, 46° at Haparanda and Hernösand, and 48° at Karlstad, Sumburgh Hd. Wick, Leith, and Androssan.
During yesterday the thermometer rose to 70° and upwards over the central and southern parts of England, and to 76° at Cambridge.

WIND

Light from the NW^ly on the east coast of Great Britain, and strong from the same quarter on the eastern shores of the North Sea, with a gale at Skudesnaes; light from the E^ly over Sweden and the northern parts of Norway.
Light to moderate from the NE^ly in the west and south of our Islands and the north of France; calm or SW^ly in the south of France.

WEATHER

Fair or fine over Western Europe as a whole, but with fog or mist in several parts of the United Kingdom.
Dull at most of the Scandinavian stations, with rain at Hernösand, Karlstad and Christiansund.
Slight rain fell yesterday on some parts of our extreme north and northwest coasts and larger amounts in Scandinavia. A solar halo was seen yesterday at Jersey, and lightning at Biarritz.

SEA

Slight or smooth generally, but rough at Sumburgh Head and rather rough at Skudesnaes.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new anticyclone has been formed over our Islands, and is apparently spreading southwards and eastwards. Fair dry weather is again likely to prevail over the United Kingdom generally.

FORECASTS

For the 24 hours ending at NOON on 23rd SEPT: 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	N^ly and NW^ly winds, moderate; fair generally.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	N^ly winds light; fair generally.
5 ENGLAND SOUTH	NE^ly winds, light; fair generally, but some mist or fog.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as No 5.
8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	E^ly and NE^ly winds, moderate; fine generally.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.67	55	53	NW	6	c	3
Sumburgh Head	29.76	50	47	WNW	4	o	6
Stornoway	29.99	53	48	NW	4	o	4
Aberdeen	29.94	59	57	NW	5	bcqr	3
Shields	29.97	63	56	ENE	1	c	2
Ardrossan	30.00	58	53	N	4	bc	3
Malin Head ...	30.04	57	55	NNW	3	bc	2
Belmullet	30.01	58	54	NE	2	o	*
Holyhead	30.04	61	60	N	1	ogm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.03	65	60	NNW	2	bc	4
Scilly	29.99	64	62	E	3	/c	3
Jersey	30.01	72	62	E	3	bc	3
Hurst Castle ...	30.04	72	66	SSE	1	b	1
Dungeness ...	30.04	67	63	SSE	2	c	1
North Foreland	30.03	72	61	SW	2	bc	2
London (Westminster)	30.02	72	64	WNW	3	b	*
Yarmouth ...	29.98	68	62	N	3	b	2
Rochefort ...	29.94	91	81	ESE	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of northwestern, northern, and central Europe, with fog on some parts of our own southern coast, passing showers at Wick and steady rain at Skudenaes, Karlstad and Copenhagen. Fine over France and the greater part of southern Europe, but cloudy over the Spanish Peninsula. Slight rain falling later at some of our own northwestern and extreme northern stations, and larger amounts in Scandinavia. Solar halo seen at Jersey and lightning at Biarritz.

Temperature fallen in our Islands, but risen at most of the Continental stations. Morning readings highest, 78° at Barcelona, 73° at Nemours and Oran, and 72° at Lisbon, Malta and Sfax; above 65° in most part of southern Europe. Lowest 39° at Ulealeborg, 40° at St Petersburg, 42° at Moscow, and 45° at Haparanda, Hangö and Riga. Rising during day to 70° and upwards over the central and southern parts of England, and to 76° at Cambridge; exceeding 80° in the east and south of France, and reaching 86° at Biarritz.

Wind light to moderate from the W^ly or NW^ly over the northern and eastern parts of our Islands, and strong from the same quarters on the eastern shores of the North Sea; S^ly or SE^ly in Sweden and Finland, and E^ly in the north of Scandinavia. Light from the E^ly over France and our own southern and extreme western coasts. Variable in Italy and Austria; N^ly or NW^ly in Greece; SW^ly in the south of Russia. No important change occurring during day.

Barometer highest 30·1 ins. and upwards in a long band stretching eastwards from France to Turkey and the Black Sea, and also in smaller areas lying over the south of Italy and neighbouring part of the Mediterranean. Lowest 29·6 ins. and less in a depression over the east of Norway, and also in a well marked secondary system over the Skager Rack and the north of Denmark; 29·8 ins. and less in a shallow area over western and central Russia. Depressions all moving eastwards later, and new anticyclone gradually forming over our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 23rd September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.60	46	NNW	2	r	29.66	+.05	46	44	0	Z	0	0	*	r	*	50	39	0.55
	Hernösand ...	29.74	48	Z	0	0	29.78	+.21	48	45	+2	NW	2	c	*	0	*	50	39	0.04
	Stockholm ...	29.48	47	N	8	r	29.74	+.25	47	46	?	NW	6	0	*	r	*	52	43	0.63
	Wisby	29.43	48	NW	6	0	29.65	+.13	51	48	-1	N	10	oh	*	0	*	54	43	0.32
	Karlstad ...	29.64	47	NNE	6	0	29.88	+.47	45	43	-3	NNW	4	0	*	0	*	*	*	0.28
	Bodö	29.74	48	Z	0	b	29.79	+.19	48	46	-1	NNW	4	0	2	b	*	54	45	-
	Christiansund ...	29.93	50	NW	2	c	30.09	+.47	47	45	+4	N	4	r	4	c	*	50	43	0.35
	Skudesnaes ...	29.96	51	NNW	7	0	30.11	+.40	50	47	+1	NNW	6	c	2	c.o	*	54	46	*
	Færder (Christiania Fiord)	29.70	53	NNW	7	b	29.94	+.45	51	46	0	NW	4	c	3	b	*	54	50	-
	Skagen (The Scaw)	29.71	54	N	7	bc	29.95	+.36	53	49	+3	NNE	3	c	0	bc	*	57	50	-
	Fanö	29.86	54	NNW	7	c	29.96	+.16	50	47	-4	NW	2	b	*	c	*	55	50	-
	Sumburgh Head	30.16	46	N	3	0	30.27	+.31	44	42	-4	N	1	0	4	0	*	51	42	-
	Stornoway ...	30.25	52	NE	3	b	30.25	+.09	44	43	-5	E	3	c	3	bc.b	6.0	56	36	-
	Wick	30.23	53	NW	5	0	30.29	+.19	48	45	0	NNW	3	0	2	0	*	60	43	-
	Nairn	30.25	53	E	2	c	30.31	+.15	44	43	-6	W	1	b	1	c	*	60	34	-
	Aberdeen ...	30.26	49	NNW	2	c	30.32	+.19	49	44	-2	N	2	cw	1	bcq.c	7.6	55	42	-
BRITISH ISLANDS.	Leith	30.21	53	ESE	2	b	30.31	+.15	49	47	+1	E	1	m	*	b	*	59	38	-
	Shields	30.24	52	NE	3	c	30.32	+.20	47	45	-6	NW	2	c	2	b.c	*	59	45	-
	Spurn Head ...	30.19	54	N	4	c	30.28	+.18	54	49	0	N	4	ov	4	cv	*	61	52	-
	York	30.21	55	N	2	b	30.32	+.19	49	47	+2	N	1	0	*	bc	7.2	60	39	-
	Loughborough ...	30.19	57	E	3	b	30.31	+.18	46	45	-8	NNW	1	omw	*	cm.bc	*	64	36	-
	Ardrossan ...	30.19	55	N	1	bf	30.30	+.14	49	47	+1	NNW	3	bfw	2	b.bf	*	58	42	-
	Malin Head ...	30.19	53	NE	2	b	30.20	+.02	52	51	0	SE	5	bmw	3	b	*	55	48	-
	Belmullet ...	30.20	53	ENE	2	b	30.17	-.02	53	50	-1	SE	1	b	*	b	*	58	46	0.01
	Donaghadee ...	30.20	55	NNE	3	b	30.30	+.13	54	52	+1	E	4	c	2	b	*	61	51	-
	Liverpool (Bidston)	30.19	55	WNW	1	c	30.30	+.17	49	45	-5	ESE	1	b	?	bc.c	*	57	44	-
	Holyhead ...	30.17	53	NE	2	b	30.24	+.09	51	48	-3	ENE	3	b	2	b	*	56	48	-
	Parsonstown ...	30.18	57	Z	0	b	30.18	+.01	54	52	+2	SE	1	bw	*	b	7.2	61	38	-
	Valencia ...	30.11	61	E	2	bc	30.07	-.06	60	57	+1	E	3	bcm	4	bc	8.6	67	46	-
	Roche's Point ..	30.15	57	SE	4	c	30.16	+.02	59	57	+2	ESE	5	m	4	c	*	61	50	-
	Pembroke (St. Ann's Hd.)	30.12	57	NE	4	b	30.19	+.08	52	50	-3	ESE	4	b	3	b	7.8	61	50	-
	Scilly	30.03	62	NE	4	bc	30.02	+.01	62	60	-1	E	7	bc	3	bc	10.1	68	58	-
	Prawle Point ..	30.07	63	ENE	4	c	30.17	+.13	55	53	-7	ENE	5	og	4	c	*	68	52	-
	Jersey (St. Aubin's)	29.99	68	ENE	5	cgm	30.11	+.12	62	59	-2	E	5	bm	4	b.c	*	75	60	-
	Hurst Castle ...	30.06	67	E	2	bm	30.22	+.14	56	53	-2	ENE	4	bm	3	bm	*	72	52	-
	Dungeness ...	30.08	63	NE	4	bc	30.21	+.15	60	54	+1	NE	4	bc	3	bc	*	68	56	-
	North Foreland	30.13	61	N	5	c	30.24	+.15	58	52	-3	N	5	c	3	b.c	*	65	52	-
	London (Brixton) ...	30.13	63	NE	1	bm	30.27	+.16	54	49	0	NE	3	b	*	cm.bm	0.8	68	45	-
	Oxford	30.19	54	NE	3	b	30.29	+.17	49	46	-5	NE	1	b	*	b	*	68	40	-
	Cambridge ...	30.17	58	NNE	3	b	30.29	+.17	51	49	-6	NNW	1	0	*	b	4.9	68	39	-
	Yarmouth ...	30.14	58	NNE	5	c	30.23	+.16	56	51	0	NNE	4	c	4	b.c	*	64	49	-
GERMANY & HOLLAND.	Cuxhaven ...	29.95	54	NW	6	0	30.02	+.07	55	53	-2	NW	6	cq	*	0	*	59	54	0.04
	Berlin	29.91	55	NNW	5	c	29.95	+.02	51	48	-5	NNW	4	b	*	c	*	61	48	-
	Wiesbaden ...	*	*	*	*	*	30.17	+.07	51	47	0	Z	0	bc	*	*	*	72	45	-
	Munich... ..	30.09	57	Z	0	b	30.14	-.01	51	49	-2	NW	3	c	*	b	*	70	48	-
	The Helder ...	30.10	57	NNW	2	bc	30.16	+.11	57	52	-2	N	2	c	2	bc	*	63	55	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.21	+.13	55	50	-4	NNE	1	0	*	0	*	69	46	-
	Cape Gris Nez...	?	62	E	3	bc	?	?	58	51	-1	E	4	c	4	bc	*	68	52	-
	Paris	30.04	64	NNE	2	b	30.13	+.07	53	52	+1	NNE	3	bc	*	b	*	78	52	-
	Brest	29.91	71	ENE	2	b	29.96	+.01	63	57	+4	E	3	b	2	b	*	81	55	-
	Lorient... ...	29.95	68	E	1	bc	29.98	+.02	63	58	+3	E	4	0	5	bc	*	81	52	0.08
FRANCE &	Rochefort ...	29.92	84	NW	1	c	29.96	+.04	66	63	+2	ESE	2	c	*	c	*	91	63	-
	Belfort	29.97	69	NNW	1	c	30.08	+.01	51	49	-3	Z	0	m	*	c	*	80	48	-
	Lyons	29.97	73	S	1	b	30.02	-.04	61	59	+1	SE	1	c	*	b	*	84	57	-
	Nice	30.05	67	Z	0	b	30.00	-.08	64	61	-1	ENE	1	b	0	b	*	77	61	-
	Perpignan ...	29.97	71	N	1	b	29.98	-.03	64	64	0	SW	1	0	*	b	*	81	59	-
	Biarritz ...	29.87	78	SE	3	c	29.90	+.02	69	63	-4	SE	2	bc	2	c.tlr	*	86	64	0.28
PENIN-SULA.	Corunna ...																*			
	Lisbon	29.87	71	S	3	0	29.82	-.04	68	66	-2	SSE	3	r	*	0	*	75	68	-
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

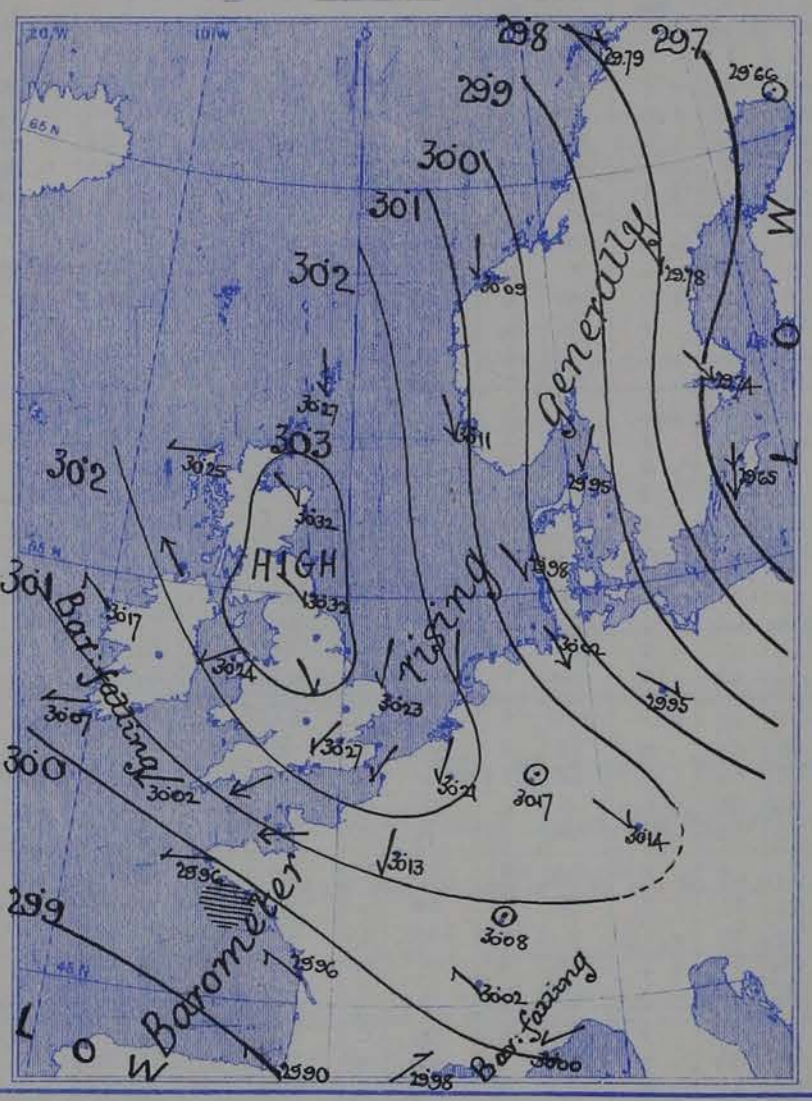
Bright Sunshine yesterday Southport 5.6 hrs;

WEATHER CHARTS

FOR Friday, 23rd September, 1898

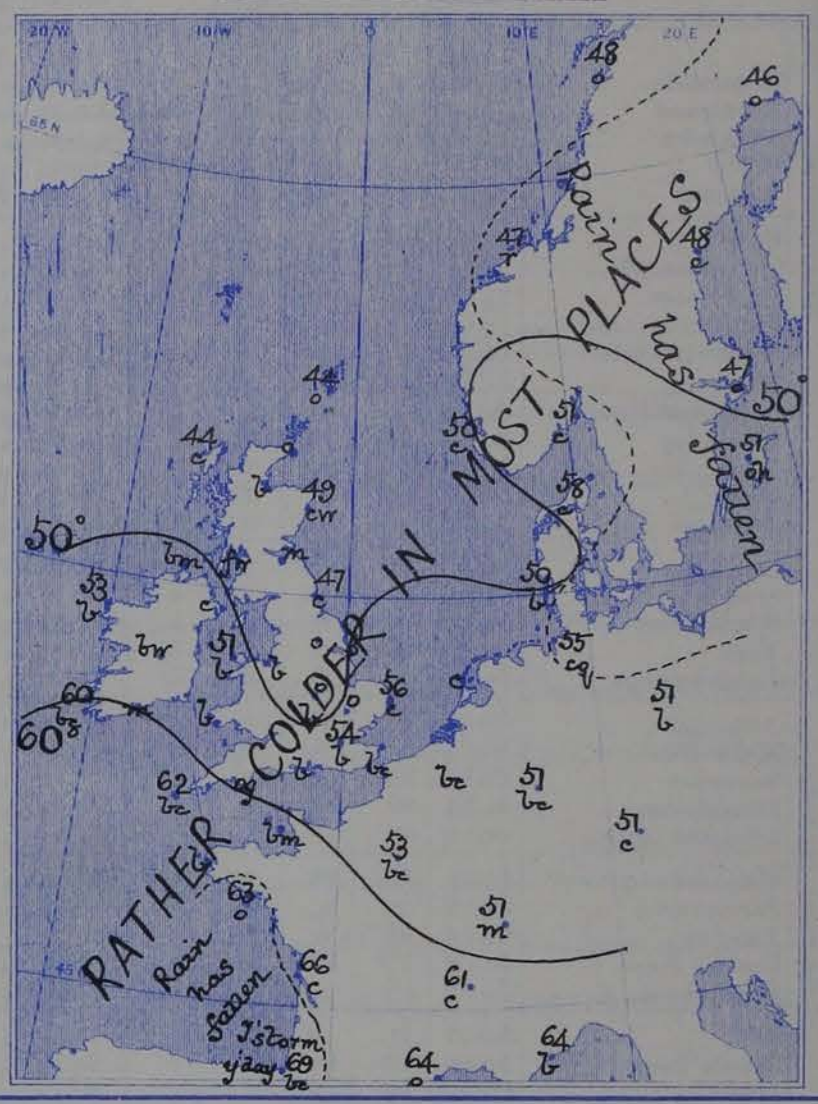
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in. and upwards at most stations in the northern parts of Great Britain; 30·1 in. and upwards in an anticyclone covering nearly the whole of Northwestern Europe.
Lowest, 29·7 in. and less, over Lapland, Finland, and the northern parts of the Baltic.
Gradients slight over our Islands and France, moderate over Scandinavia and Denmark.
Barometer rising generally, but falling on our west scattered west and southwest coasts.

TEMPERATURE

Highest, 69° at Biarritz, 68° at Lisbon, 66° at Rochefort, 64° at Nice and Perpignan, 63° at Brest and Lorient, and 62° at Jersey.
Lowest, (1) 44° at Lerwick Hd., Stornoway, and Nairn, 46° at Loughborough, and 47° at Shields; (2) 45° at Falmouth and 46° at Hafravender.
During last night the sheltered thermometer fell below 40° at several of our northern and eastern stations, to 36° at Stornoway & Loughborough, and to 34° at Nairn. On the grass the thermometer at Loughborough fell to 29°.

WIND

N. or NW. on the east coast of Great Britain, and also over Scandinavia, Denmark, Germany, and the Netherlands; light or moderate in force generally, but strong at some stations in the south of Scandinavia, with a whole gale at Wisby.
E. or NE. in France and the south of England, and strong in force at the mouth of the Channel, moderate to fresh from the SE. on our eastern coasts.

WEATHER

Fair or fine over Western Europe generally, but with haze on several parts of our west coasts.
Cloudy or dull in Scandinavia, with rain at Christiansund and hail at Wisby.
Rain fell yesterday in Sweden and the north of Norway, as well as at one or two of the French and German stations, with a thunderstorm at Biarritz. In our Islands the weather was again very dry. A lunar halo was seen at Jersey.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are some indications of the advance of a depression towards our southwest coast, and rain is not improbable in Ireland. Over England the weather is likely to remain fair and dry for the present.

FORECASTS

For the 24 hours ending at NOON on 24th SEPT 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N. to E. winds, light or moderate; fair, cool.
1 SCOTLAND EAST	
2 ENGLAND N.E.	N. and NE. winds, light; fair, cool.
3 ENGLAND EAST	Same as No. 5
4 MIDLAND COUNTIES	Same as No. 2
5 ENGLAND SOUTH	NE. winds, moderate or fresh; fair, cool.
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	E. winds, freshening; fair, cool.
8 ENGLAND S.W.	E. and SE. winds, fresh or strong; fair generally.
9 IRELAND NORTH	E. and SE. winds, fresh or strong; fair at first, some rain later.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·82	53	48	NNW	8	c	4
Sumburgh Head	30·09	49	45	N	4	o	6
Stornoway	30·21	56	50	NNW	2	bc	2
Aberdeen	30·19	53	46	NW	5	bcq	4
Shields	30·21	54	49	NE	3	b	3
Ardrossan	30·17	58	54	N	3	b	2
Malin Head ...	30·19	55	53	NNE	2	b	1
Belmullet	30·19	58	54	E	2	b	*
Holyhead	30·17	55	51	NNE	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·11	67	61	NE	3	bc	4
Scilly	30·03	65	61	NE	3	bc	2
Jersey	30·00	73	64	ENE	5	b	4
Hurst Castle ...	30·07	72	66	NE	2	bm	1
Dungeness ..	30·08	66	61	ENE	4	b	3
North Foreland	30·11	64	59	N	4	b	3
London (Westminster)	30·09	67	61	N	1	c	*
Yarmouth ...	30·10	62	57	NNE	4	b	3
Rochefort ...	29·96	82	75	NW	1	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over Western Europe generally, but with fog or mist in several parts of the United Kingdom. Dull over the Spanish Peninsula and the extreme southwest of France, with rain at Biarritz. Fine in Italy, Austria, Greece, Turkey, and the south of Russia; dull in Scandinavia, Germany, and northern Russia, with rain at Hernösand, Karlstad and Christiansund. Rain falling later over Sweden and the north of Norway generally, as well as at some of the French and German stations, and thunderstorm occurring at Biarritz.

Temperature fallen in our Islands and also in Norway, Denmark and Germany, risen in most other countries. Morning reading highest 77° at Bilbao, 76° at Barcelona, and 75° at Sanguinaire, Malta, Algiers, and Sfax; above 65° in many parts of southern Europe. Lowest, 42° at St Petersburg, 43° at Riga, Moscow, and Christiansund, and 44° at Thorshavn and Hernösand; below 50° at several of our own northern stations. Daily maxima below 60° on many parts of our northern coasts, but thermometer exceeding 65° in the south, and reaching 75° at Jersey. Exceeding 80° in the west and south of France and touching 86° at Biarritz. Ground frost occurring over the central parts of Great Britain at night.

Wind light to moderate from the NW^ly on the eastern coast of Great Britain, and strong from the same quarter on the eastern shores of the North Sea, with a gale at Skudesnaes; moderate to fresh from the W^ly in Germany, light from the SW^ly in the south of Russia; variable over northern Russia, E^ly in the north of Scandinavia. Light to moderate from the NE^ly on our own western and southern coasts, and also in the north of France. Variable in Italy and the south of France. No important change occurring during day.

Barometer highest 30·1 ins. and upwards in three areas;—one lying over our Islands, another over Switzerland and the neighbouring parts of Germany and Italy, and the third over south Italy and the Balkan Provinces. Lowest 29·5 ins. and less, in a well-marked depression over the southern part of Sweden, and also in a small secondary system near Memel. Depressions subsequently moving eastwards and high-pressure area over our Islands spreading over the greater part of northwestern Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 3 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 24th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.85	38	W	0	b	29.75	+.09	44	43	-2	NNW	4	0	*	b	*	52	36	-
	Hernösand ...	29.85	46	NW	2	0	29.87	+.09	47	45	-1	NE	2	0	*	0	*	57	39	-
	Stockholm ...	29.83	45	NW	2	0	29.81	+.07	45	44	-2	NW	2	r	*	0	*	52	43	0.04
	Wisby	29.82	50	N	6	bc	29.80	+.15	49	46	-2	N	4	bc	*	bc	*	52	45	0.20
	Karlstad ...	29.95	48	NW	4	bc	29.93	+.05	46	42	+1	NW	4	bc	*	bc	*	*	*	-
	Bodö	29.97	48	W	5	r	30.03	+.24	48	46	0	N	6	0	2	r	*	48	45	0.20
	Christiansund ...	30.23	45	N	3	r	30.24	+.15	45	42	-2	NE	3	bc	4	r	*	47	45	0.16
	Skudesnaes ...	30.15	49	N	4	bc	30.10	-.01	44	41	-6	NNE	2	b	2	bc	*	55	41	*
	Færder (Christiania Fjord)	30.00	54	NW	3	bc	30.01	+.07	49	43	-2	NNW	6	b	3	bc	*	57	48	-
	Skagen (The Scaw)	30.01	54	NNW	2	b	30.00	+.05	50	45	-3	NE	4	bc	1	b	*	57	50	-
	Fanö	30.02	49	NW	2	b	29.97	-.01	45	43	-5	W	0	b	*	b	*	59	41	-
BRITISH ISLANDS.	Sumburgh Head	30.29	45	N	1	0	30.25	-.02	46	44	+2	NE	1	0	3	0	*	47	43	-
	Stornoway ...	30.25	52	E	1	bc	30.16	-.09	48	47	+4	SSE	3	b	3	b,bc	9.8	58	37	-
	Wick	30.29	54	S	1	bc	30.22	-.07	50	47	+2	E	2	0	1	bc	*	58	46	-
	Nairn	30.30	48	W	1	b	30.24	-.07	41	41	-3	S	1	0m	1	b	*	57	31	-
	Aberdeen ...	30.30	47	ESE	1	bc	30.24	-.08	49	45	0	NE	2	0g	3	b,bc	6.1	56	44	-
	Leith	30.26	53	E	2	b	30.22	-.09	48	46	-1	E	1	0	*	b	*	59	39	-
	Shields	30.29	51	NE	2	c	30.21	-.11	46	44	-1	NW	2	0	2	c	*	55	43	-
	Spurn Head ...	30.26	53	NNE	3	c	30.18	-.10	52	48	-2	N	3	0	3	c	*	57	50	-
	York	30.27	55	E	1	b	30.22	-.10	44	43	-5	NNW	1	0	*	c,b	4.5	59	37	-
	Loughborough ...	30.26	54	E	1	b	30.22	-.09	43	42	-3	NNW	1	cmw	*	c,bc,cm	*	62	32	-
	Ardrossan ...	30.23	55	N	3	bf	30.20	-.10	48	46	-1	NNE	2	bfw	1	b,bf	*	60	42	-
	Malin Head ...	30.17	55	SE	3	bm	30.11	-.09	51	50	-1	SE	3	bm	1	bm	*	60	49	-
	Belmullet ...	30.10	61	SE	2	b	30.02	-.15	58	52	+5	SE	2	bc	*	b	*	64	50	-
	Donaghadee ...	30.23	56	E	4	b	30.18	-.12	56	52	+2	SE	4	bc	2	b	*	60	51	-
	Liverpool (Bidston)	30.23	55	ESE	1	b	30.20	-.10	48	44	-1	ESE	2	m	?	bm	*	58	42	-
	Holyhead ...	30.19	56	ENE	2	b	30.16	-.08	50	48	-1	SW	1	bf	0	b	*	62	46	-
	Parsonstown ...	30.14	58	ENE	2	b	30.08	-.10	56	53	+2	SE	1	b	*	b	9.7	65	50	-
	Valencia ...	30.02	62	ESE	5	0	29.98	-.09	62	59	+2	E	4	0gm	4	bc,0	8.6	66	59	-
	Roche's Point ..	30.11	53	ESE	5	c	30.06	-.10	60	57	+1	SE	5	bc	4	c	*	61	57	-
	Pembroke (St. Ann's Hd.)	30.15	56	ESE	4	b	30.13	-.06	53	52	+1	ESE	4	c	3	b	10.4	60	50	-
	Scilly	30.01	61	E	7	c	30.02	.00	60	57	-2	E	6	c	4	bc.c	4.4	67	49	-
	Prawle Point ...	30.13	58	ENE	5	bc	30.08	-.09	58	53	+3	E	5	c	4	bc	*	67	52	-
	Jersey (St. Aubin's)	30.09	62	ENE	5	b	30.09	-.02	57	53	-5	E	4	bm	3	b	*	67	53	-
	Hurst Castle ...	30.17	61	ESE	2	b	30.14	-.08	54	51	-2	NE	3	bm	2	b	*	66	48	-
	Dungeness ...	30.18	59	NE	4	b	30.13	-.08	55	51	-5	N	3	0	2	b	*	64	52	-
	North Foreland	30.21	57	NNE	4	c	30.14	-.10	57	52	-1	N	4	c	3	c	*	62	52	-
	London (Brixton) ...	30.21	56	NE	2	b	30.19	-.08	45	44	-9	W	0	cm	*	b	8.7	68	38	-
	Oxford	30.24	50	NE	2	b	30.20	-.09	42	41	-7	N	2	b	*	b	*	64	37	-
	Cambridge ...	30.25	54	NNE	1	b	30.19	-.10	51	48	0	NNW	1	0	*	b	5.7	65	40	-
	Yarmouth ...	30.23	56	NNE	4	cv	30.15	-.08	54	50	-2	NNW	4	c	4	cv	*	59	51	-
GERMANY & HOLLAND.	Cuxhaven ...	30.05	56	NNW	5	0	29.99	-.03	54	50	-1	N	2	bc	*	0	*	59	52	-
	Berlin	29.99	50	NNW	2	0	29.95	.00	47	45	-4	NNW	3	b	*	0	*	57	45	0.04
	Wiesbaden ...	*	*	*	*	*	30.08	-.09	47	44	-4	N	2	b	*	*	*	59	43	-
	Munich	30.14	46	SW	1	b	30.07	-.07	47	44	-4	SW	2	c	*	b	*	55	43	-
	The Helder ...	30.17	56	N	2	0	30.08	-.08	54	52	-3	N	2	c	3	0	*	61	52	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.12	-.09	52	47	-3	NNE	1	0	*	b	*	63	44	-
	Cape Gris Nez ...	?	59	E	4	c	?	?	58	54	0	ENE	3	0	3	c	*	68	52	-
	Paris	30.12	57	NNE	2	b	30.11	-.02	45	44	-8	NE	2	m	*	b	*	66	42	-
	Brest	30.12	73	E	1	c	30.01	+.05	54	53	-9	E	3	bc	2	c	*	73	52	-
	Lorient	29.97	73	E	4	0	29.99	+.01	51	48	-12	E	5	bc	4	0	*	81	50	-
FRANCE &	Rochefort ...	29.96	68	E	4	c	29.90	-.06	54	53	-12	ESE	4	bc	*	b,c	*	91	50	-
	Belfort	30.02	54	ENE	6	m	29.97	-.11	43	41	-8	ENE	5	m	*	m	*	70	39	-
	Lyons	29.95	68	N	1	b	29.99	-.03	?	45	?	NNW	1	b	*	b	*	79	47	-
	Nice	29.91	67	SW	1	c	29.80	-.20	64	60	0	E	1	b	1	c	*	77	61	-
	Perpignan ...	29.91	68	SW	1	c	29.86	-.12	61	60	-3	SW	1	0	*	c	*	83	59	-
	Biarritz ...	29.84	70	NE	3	b	29.79	-.11	64	61	-5	W	0	b	2	b	*	81	61	-
PENINSULA.	Corunna ...																*			
	Lisbon	29.76	68	S	2	r	29.79	-.03	69	66	+1	W	0	bc	*	r	*	75	64	0.16
	Azores (P. Delgada)	29.96	69	NNE	4	c	30.05	+.19	68	59	0	N	3	bc	3	c	*	75	64	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

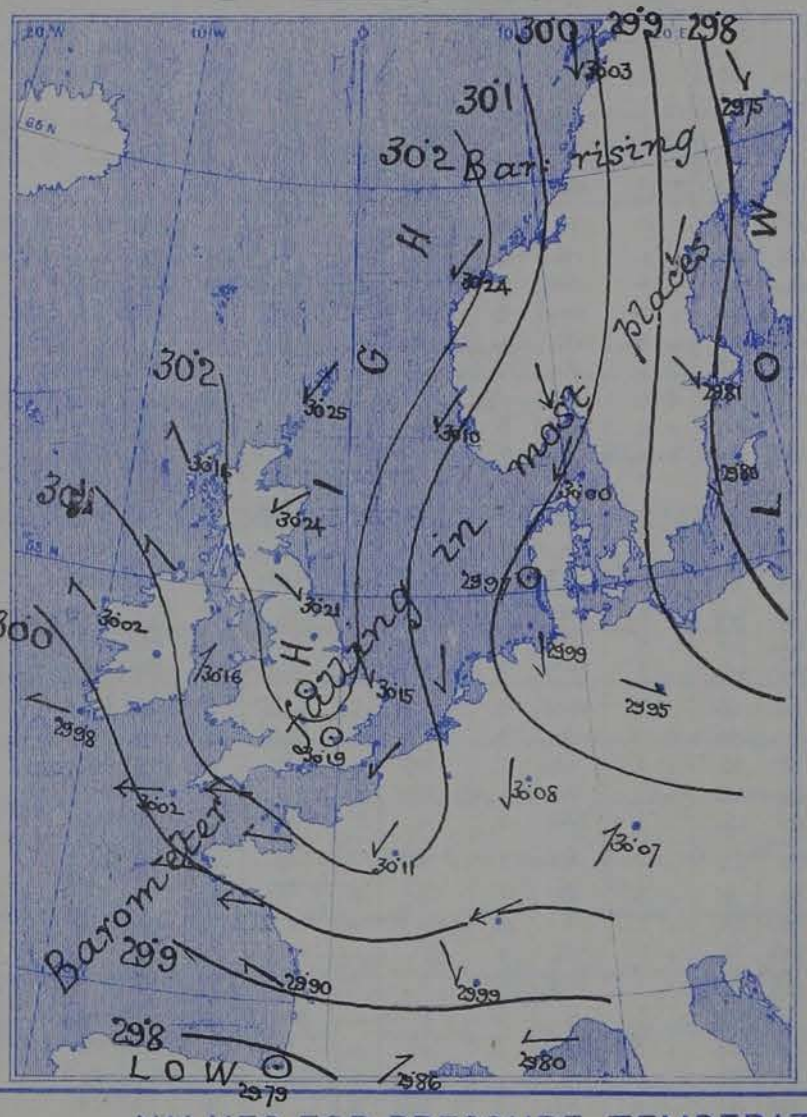
Bright Sunshine yesterday Southport 8.8 hrs;

WEATHER CHARTS

FOR Saturday. 24th September, 1898

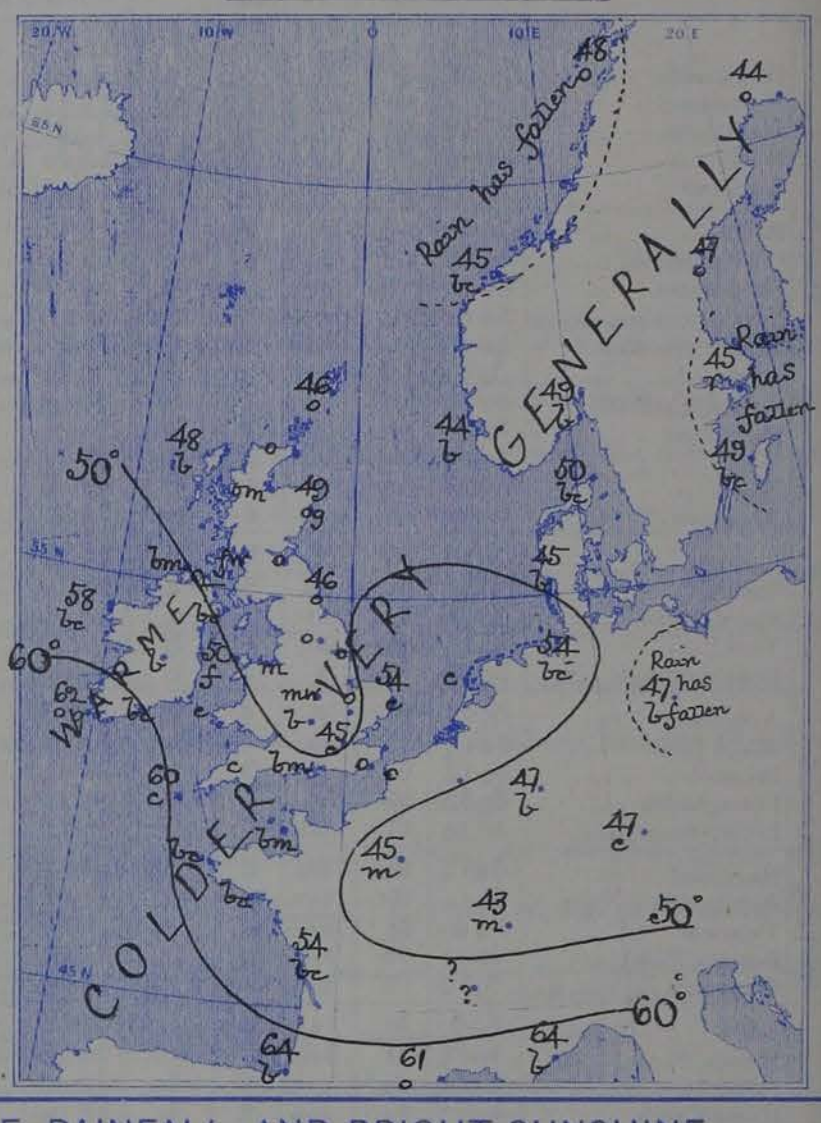
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards over the W. of Norway and the N^rn. parts of Gt. Britain; 30.0 ins. and upwards in an anticyclone covering nearly the whole of NW^rn. Europe.
Lowest 29.8 ins. and less over Lapland, Finland and the N^rn. parts of the Baltic and also over the Spanish peninsula and the extreme S. of France.
Gradients slight generally. Barometer falling in most places, but rising over the N^rn. parts of Scandinavia.

TEMPERATURE

Highest (1) 64° at Nice and Biarritz, and 61° at Perpignan; (2) 62° at Valencia (Ireland), and 60° at Roche's Pt. and Scilly.
Lowest 41° at Nairn, 42° at Oxford, 43° at Loughborough and Belfort, and 44° at York, as well as at Shadesnaes and Haparanda.
Frost occurred last night over the inland parts of Gt. Britain, the lowest readings reported being:—(1) In the screen 31° at Nairn, and 32° at Loughborough; (2) On the grass 29° at Loughborough, and 30° in London and at Oxford.

WIND

Light from the N^rn. or NW^rn. on our east coasts; moderate to fresh from the NE^rn. or E^rn. over the Channel and France,—strong at the mouth of the Channel; SE^ly. in Ireland & the west of Scotland.
N^ly. (NW^ly. to NE^ly.) over Scandinavia and Denmark; calm or variable in the extreme S. of France.

WEATHER

Fair or fine over W^rn. Europe as a whole but dull in the E^rn. parts of Gt. Britain, and foggy or misty on several parts of our W^rn. coasts.
Dull at most of the Swedish stations, with rain at Stockholm.
A little rain fell yesterday in several parts of Scandinavia, and also at Berlin, but in our Islands the weather remained very dry.

SEA

Moderate on our SW. coasts and also at Yarmouth, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is gradually breaking up but there are at present no distinct indications of the advance of any depression towards our coasts. Fair dry weather is therefore likely to continue for a time in most districts.

FORECASTS

For the 24 hours ending at NOON on 25th. SEPT. 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Varying E^ly. breezes, fair, cool.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	N^ly. winds, light, fair, cool.
5 ENGLAND SOUTH	N^ly. and NE^ly. winds, moderate, fair, cool.
6 SCOTLAND WEST 7 ENGLAND N.W.	E^ly. and NE^ly. winds, light, fair generally, but some fog or mist.
↑ 8 ENGLAND S.W.	E^ly. winds, strong on coast, fair generally.
9 IRELAND NORTH	SE^ly. winds, freshening; fair generally.
↑ 10 IRELAND SOUTH	E^ly. and SE^ly. winds, strong; cloudy, some rain.
WARNINGS	At 7.40 pm. yesterday to districts 8 and 10. Hoist North Cone.

Note.—The **South Cone**, *point downwards* (↑), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·13	55	50	NNW	6	b	2
Sumburgh Head	30·29	46	44	N	1	0	3
Stornoway	30·26	58	53	SE	2	b	2
Aberdeen	30·31	56	50	E	2	b	1
Shields	30·30	54	48	NE	2	c	2
Ardrossan	30·25	59	55	SSW	2	b	2
Malin Head ...	30·19	60	55	SE	5	b	2
Belmullet	30·13	64	58	SE	4	b	*
Holyhead	30·22	57	53	E	3	b	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·05	66	60	ESE	5	bc	5
Scilly	30·04	64	61	E	7	bc	4
Jersey	30·13	66	61	ENE	6	b	4
Hurst Castle ...	30·19	66	59	E	3	b	2
Dungeness ...	30·19	63	54	NE	3	b	2
North Foreland	30·23	60	53	N	4	c	3
London (Westminster)	30·21	64	57	NE	3	b	*
Yarmouth ..	30·24	58	53	NNE	4	cv	4
Rochefort ...	29·96	91	83	E	1	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over W^rn and S^rn Europe generally, but with haze or fog on several parts of our own coasts. Cloudy or dull over the N^rn and central countries, with rain at Christiansund, and hail at Wisby; cloudy also over the Spanish peninsula, with rain at Lisbon. A little rain falling later at several of the Scandinavian stations and also at Berlin, but weather in our Islands remaining very dry.

Temperature falling over NW^rn and N^rn Europe, changed irregularly elsewhere. Morning readings highest 80° at Algiers, 77° at Barcelona, and 75° at Sanguinaire and Ifsa; above 65° in most parts of S^rn Europe. Lowest (1) 41° at Kuopio, 42° at Helsingfors, and 43° at St Petersburg; (2) 44° at Sumburgh H^d, Stornoway and Nairn, and 46° at Longborough. Daily maxima below 60° at most of our own N^rn stations, but thermometer exceeding 65° in the S^rn parts of the Kingdom; exceeding 80° in the W. and S. of France. Ground frost occurring over the inland parts of Gt. Britain at night.

Wind light to moderate from the N^wd or NW^rn on the east coasts of Gt. Britain; NE^ly or E^ly over the south of England and the greater part of France, with a moderate gale at Scilly, fresh from the SE^wd on the Irish coasts. N^ly or NW^ly over Scandinavia, Denmark, Germany and Austria, and strong in force in many places, with a whole gale at Wisby; light from the SW^wd in the south of Russia, and from the E^wd or NE^wd over the northern parts of that country. No important change occurring later.

Barometer highest 30.3 ins. and upwards over the N^rn parts of Gt. Britain; 30.1 ins. and upwards in an anticyclone covering nearly the whole of NW^rn Europe. Lowest 29.4 ins. and less in a well marked depression with its centre near Memel; 29.8 ins. and less (apparently) in a shallow disturbance off the Portuguese coasts. Anticyclone beginning to break up later and barometer falling in most parts of W^rn Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 25th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.77	46	N	4	bc	29.68	−.07	45	44	+1	NE	4	c	*	bc	*	50	34	0.20
	Hernösand ...	29.79	47	Z	0	r	29.81	−.06	47	46	0	NW	4	c	*	r	*	52	43	0.12
	Stockholm ...	29.81	44	N	2	c	29.80	−.01	46	45	+1	NW	4	o	*	c	*	50	41	0.20
	Wisby	29.82	45	N	4	b	29.81	+.01	50	46	+1	N	4	bc	*	b	*	50	43	0.08
	Karlstad ...	29.90	47	N	2	bc	29.89	−.04	44	40	−2	N	4	o	*	bc	*	*	*	—
	Bodö	30.01	49	N	2	o	29.95	−.08	47	45	−1	S	1	b	1	o	*	49	46	—
	Christiansund ...	30.14	45	NE	2	c	30.11	−.13	43	41	−2	S	1	c	3	c	*	46	39	0.04
	Skudesnaes ...	30.01	46	NNE	1	b	29.95	−.15	45	44	+1	NNE	1	bc	1	b	*	54	39	*
	Færder (Christiania Fjord)	29.96	52	N	4	bc	29.95	−.06	48	42	−1	NNE	4	bc	2	bc	*	54	46	—
	Skagen (The Scaw)	29.96	53	NE	2	c	29.92	−.08	49	46	−1	NE	2	c	0	c	*	55	48	—
	Fanö	29.96	45	NE	1	b	29.91	−.06	45	43	0	SE	1	c	*	b	*	63	37	—
BRITISH ISLANDS.	Sumburgh Head	30.17	47	NE	1	o	30.09	−.16	45	44	−1	NE	1	o	3	o	*	49	44	—
	Stornoway ...	30.10	55	Z	0	b	30.02	−.14	40	39	−8	Z	0	f	0	b	9.8	60	36	—
	Wick	30.15	45	S	1	o	30.08	−.14	49	46	−1	S	2	o	1	o	*	57	46	—
	Nairn	30.15	49	E	1	bc	30.08	−.16	40	40	−1	Z	0	c	1	bc	*	54	32	—
	Aberdeen ...	30.18	47	NE	1	og	30.11	−.13	47	44	−2	NE	1	og	1	o, og	0.0	52	44	—
	Leith	30.15	52	E	2	c	30.09	−.13	47	44	−1	ESE	1	o	*	c	*	58	45	—
	Shields	30.15	50	NNE	2	o	30.11	−.10	49	45	+3	NW	1	ow	3	o	*	52	45	—
	Spurn Head ...	30.12	52	NNE	3	ov	30.08	−.10	50	47	−2	NNW	3	ov	3	o, ov	*	55	50	—
	York	30.15	51	NNE	1	o	30.11	−.11	50	47	+6	N	1	o	*	c, o	0.2	55	42	—
	Loughborough ...	30.14	52	E	1	bc	30.10	−.12	49	47	+6	Z	0	cw	*	bc	*	59	43	—
	Ardrossan ...	30.11	54	NNE	2	bf	30.09	−.11	47	45	−1	NNE	2	of	1	bf	*	59	42	—
	Malin Head ...	30.04	55	SE	3	bw	29.99	−.12	52	50	+1	SE	3	ow	2	bw	*	61	48	—
	Belmullet ...	30.00	61	SSE	2	o	29.96	−.06	57	53	−1	SSE	1	b	*	o	*	64	52	—
	Donaghadee ...	30.11	55	SE	3	b	30.05	−.13	54	51	−2	SE	4	bc	2	b	*	58	48	—
	Liverpool (Bidston)	30.11	52	ESE	1	bw	30.09	−.11	48	44	0	ESE	1	b	?	bw	*	58	41	—
	Holyhead ...	30.08	56	NNE	1	b	30.05	−.11	50	49	0	Z	0	cf	0	bc, b	*	61	45	—
	Parsonstown ...	30.04	57	SE	1	c	29.99	−.09	53	52	−3	Z	0	bc	*	b, c	6.9	63	44	—
	Valencia ...	29.95	63	ESE	3	ow	29.92	−.06	60	55	−2	ESE	4	c	3	c, ow	1.2	66	54	0.01
	Roche's Point ..	30.04	60	SE	5	c	29.99	−.07	60	55	0	S	4	o	4	c	*	63	58	—
	Pembroke (St. Ann's Hd.)	30.07	58	ESE	3	b	30.04	−.09	50	49	−3	E	4	o	3	b	7.6	60	48	—
	Scilly	29.98	59	E	5	c	29.94	−.08	59	56	−1	ESE	5	c	3	c	8.5	64	55	—
	Prawle Point ...	30.04	57	E	4	bc	30.00	−.08	57	52	−1	E	4	c	3	bc	*	62	56	—
	Jersey (St. Aubin's)	30.01	61	E	5	b	30.00	−.09	58	53	+1	E	4	b	3	b	*	63	54	—
	Hurst Castle ...	30.06	61	ENE	2	bcw	30.06	−.08	51	48	−3	NNE	2	bw	2	bw, bcw	*	65	43	—
	Dungeness ...	30.06	67	NNE	3	c	30.03	−.10	56	50	+1	NNE	3	bc	2	c	*	63	44	—
	North Foreland	30.08	56	N	4	c	30.06	−.08	59	53	0	N	3	bc	2	c	*	59	53	—
	London (Brixton) ...	30.10	53	NE	1	bc	30.06	−.13	53	48	+8	NNE	1	o	*	bc, bw	3.6	61	44	—
	Oxford	30.12	49	NE	2	b	30.09	−.11	47	45	+5	N	1	b	*	b	*	63	36	—
	Cambridge ...	30.13	53	N	1	o	30.08	−.11	51	48	0	N	1	o	*	o	0.0	58	48	—
	Yarmouth ...	30.08	55	NNW	3	or	30.04	−.11	52	49	−2	NW	2	c	3	bcw, or	*	57	50	0.01
GERMANY & HOLLAND.	Cuxhaven ...	29.96	54	ENE	1	b	29.95	−.04	49	46	−5	Z	0	bc	*	b	*	57	43	—
	Berlin	29.92	48	NW	2	b	29.93	−.02	46	44	−1	NW	2	b	*	b	*	57	41	0.16
	Wiesbaden ...	*	*	*	*	*	30.02	−.06	52	49	+5	NW	2	c	*	*	*	57	46	—
	Munich... ..	30.02	48	W	1	o	30.02	−.05	45	44	−2	NW	2	bc	*	o	*	55	43	—
	The Helder ...	30.00	55	N	2	bc	29.97	−.11	56	49	+2	N	1	c	1	bc	*	59	54	—
BELGIUM.	Brussels ...	*	*	*	*	*	30.04	−.08	51	50	−1	W	1	o	*	o	*	58	48	—
	Cape Gris Nez...	?	58	E	4	o	?	?	57	51	−1	E	3	o	3	o	*	61	52	—
	Paris	30.04	55	NE	4	b	30.02	−.09	44	44	−1	NNE	2	w	*	b	*	62	41	—
	Brest	29.91	68	ENE	3	b	29.92	−.09	51	48	−3	E	3	b	2	b	*	73	50	—
	Lorient... ...	29.90	66	ENE	4	b	29.92	−.07	51	48	0	ENE	5	b	4	b	*	72	50	—
FRANCE &	Rochefort ...	29.86	69	ENE	4	b	29.84	−.06	52	52	−2	E	4	bc	*	b	*	81	50	—
	Belfort	29.93	52	E	2	bc	29.97	.00	40	39	−3	ENE	3	w	*	bc	*	61	37	—
	Lyons	29.91	61	N	1	b	29.95	−.04	46	44	?	NNW	1	b	*	b	*	69	44	—
	Nice	29.76	68	Z	0	bc	29.74	−.06	63	60	−1	E	2	b	0	bc	*	77	59	—
	Perpignan ...	29.79	67	ESE	1	b	29.78	−.08	64	62	+3	NE	1	b	*	b	*	82	57	—
	Biarritz ...	29.75	70	WSW	3	c	29.75	−.04	65	62	+1	SW	2	o	2	c	*	75	63	—
PENINSULA.	Corunna ...																*			
	Lisbon	29.84	69	N	4	c	29.87	+.08	70	66	+1	WSW	2	c	*	c	*	77	66	—
	Azores (P. Delgada)	30.12	67	N	3	c	30.11	+.06	66	57	−2	NNW	1	b	2	c	*	73	63	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

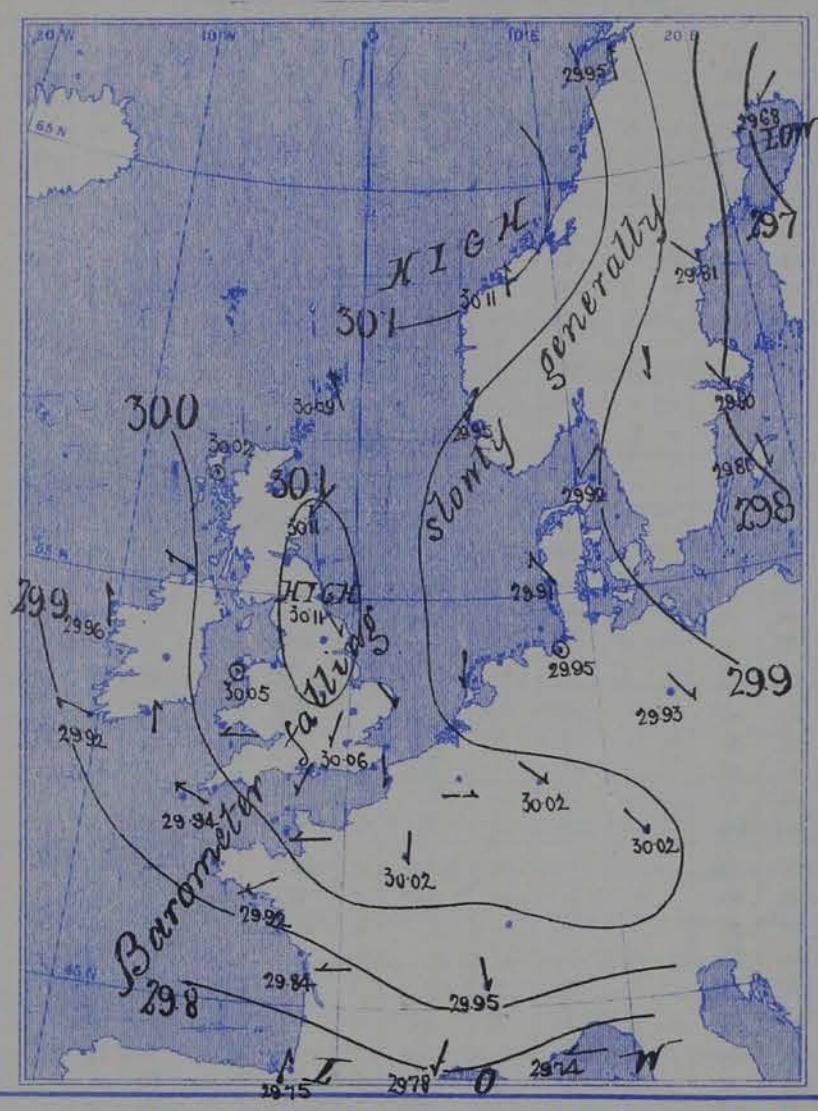
Bright Sunshine yesterday Southport 9.1 hrs;

WEATHER CHARTS

FOR Sunday 25th September, 1898

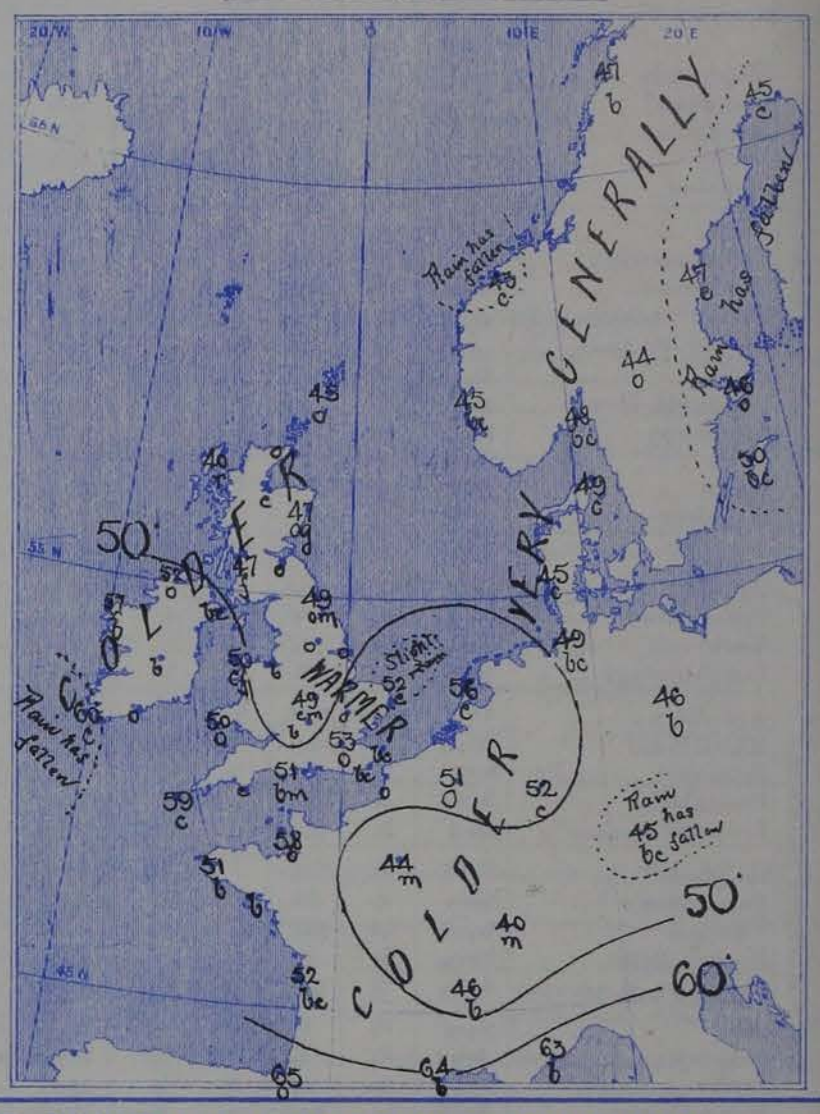
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; *Calm* ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·1 ins: and upwards in the east of Scotland and the northeast of England, as well as in another area lying off the west of Norway; 30·0 ins: and upwards in an anticyclone covering the greater part of northwestern Europe. Lowest, 29·7 ins: and less over the northern part of the Gulf of Bothnia; 29·8 ins: and less over the north of Spain and the south of France. Gradients slight. Barometer falling a little in most places.

TEMPERATURE — Highest, (1) 70° at Lisbon, 65° at Biarritz, 64° at Perpignan, and 63° at Nice; (2) 60° at Valencia (Ireland) and Roche's Point. Lowest, (1) 40° at Romsdal and Nairn, 43° at Christiansund, and 44° at Karlstad; (2) 40° at Belfast, 44° at Paris, and 45° at Munich. Frost occurred last night in the north of Scotland, and (on the ground) in some parts of Central England; at Oxford the exposed thermometer fell to 29°.

WIND — Light to moderate from the E. or NE. over the south of England and the greater part of France and from the SE. in Ireland. Variable, or S. in the extreme north of Scotland and the west of Norway; light from the NW. on the east coasts of England, and from the same quarter or from N. over Sweden, Germany, and the south of Norway.

WEATHER — Fair or fine over Western Europe as a whole, but dull in the northern and eastern parts of Great Britain, and foggy or misty on our northeast coasts. Slight rain fell yesterday at Valencia Ireland and Yarmouth, and somewhat larger amount in Sweden. Over Western Europe generally, however, the weather remained very dry.

SEA — Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 26. SEPT: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·06	52	47	N	2	b	1
Sumburgh Head	30·21	48	46	NE	1	o	3
Stornoway	30·12	60	59	SSE	3	b	3
Aberdeen	30·21	51	46	NE	1	o	2
Shields	30·19	51	47	NNE	2	o	2
Ardrossan	30·13	59	55	NNE	2	bf	1
Malin Head ...	30·05	61	56	SE	4	b	1
Belmullet	30·00	63	58	SSE	4	o	*
Holyhead	30·12	59	53	N	1	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·96	65	60	ESE	4	c	4
Scilly	30·00	62	59	E	6	c	3
Jersey	30·04	63	58	ENE	5	b	4
Hurst Castle ...	30·09	55	58	E	2	bm	1
Dungeness ...	30·09	60	52	NNE	3	c	2
North Foreland	30·11	58	52	N	4	bc	3
London (Westminster)	30·12	58	53	ENE	2	bc	*
Yarmouth ...	30·10	59	51	NW	3	bcu	4
Rochefort ...	29·89	79	75	E	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull in the eastern parts of Great Britain, and foggy or misty on our western coasts. Dull also in Sweden, Russia, and Austria, with rain at Stockholm. Slight rain falling later at Yarmouth and Valencia (Ireland) and larger amounts at some of the Swedish stations, but remaining very dry over Western Europe as a whole.

Temperature fallen in most places. Morning readings highest 76° at Algiers and Malta, 75° at Barcelona Perpignan, and 74° at Oran; above 65° over Southern Europe generally, and above 60° in the southwest of Ireland. Lowest (1) 40° at Helsingfors and 42° at Kuopio; (2) 41° at Nairn and 42° at Oxford; (3) 43° at Belfort and 45° at Paris. Daily maxima below 60° at most of our own northern stations, and below 65° even in the south; thermometer exceeding 70° in the west and south of France, and reaching 82° at Perpignan.

Wind light to fresh from the E. or NE. over the Channel and the greater part of France; moderate from the SE. in Ireland and the west of Scotland. N. (NE. to NW.) over the East of our Islands, the Netherlands, and the greater part of northern Europe. W. or NW. in Germany and Austria; variable in Italy and the south of France. No important change occurring during day.

Barometer highest 30·2 in. and upwards over the west of Norway and the northern parts of Great Britain; 30·0 in. upwards in an anticyclone covering nearly the whole of northwestern Europe. Lowest 29·6 in. and less in a large depression over northern and central Russia; 29·8 in. and less, in a shallow area over the north of Spain, and also in another system over Algeria. Anticyclone breaking up slowly later, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 26th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.84	46	E	4	r	29.91	+.23	44	44	-1	NE	4	r	*	r	*	50	39	-
	Hernösand ...	29.78	48	N	2	0	29.76	-.05	44	43	-3	N	2	f	*	0	*	50	43	0.04
	Stockholm ...	29.87	46	NNW	2	0	29.84	+.04	44	43	-2	NSW	2	0	*	0	*	52	41	-
	Wisby	29.89	47	NNW	4	c	29.90	+.09	50	46	0	NW	4	bc	*	c	*	52	43	0.20
	Karlstad ...	29.94	45	NW	2	b	29.91	+.02	46	42	+2	WNW	2	bc	*	b	*	*	*	-
	Bodö	29.93	45	L	0	b	29.96	+.01	45	42	-2	NE	2	b	1	b	*	50	41	-
	Christiansund ...	30.09	47	NSW	2	r	30.04	-.07	48	46	+5	N	3	0	3	r	*	48	43	0.43
	Skudesnaes ...	30.06	46	L	0	b	30.04	+.09	46	45	+1	NNE	1	c	0	b	*	55	39	*
	Færder (Christiania Fjord)	29.97	51	NNW	2	b	29.97	+.02	46	41	-2	NNW	2	b	1	b	*	52	45	-
	Skagen (The Scaw)	29.99	52	NE	1	b	30.00	+.08	51	48	+2	N	1	b	0	b	*	57	46	-
	Fanö	29.96	45	NE	1	b	30.04	+.13	39	38	-6	L	0	b	*	b	*	55	36	-
BRITISH ISLANDS.	Sumburgh Head	30.10	49	NE	1	b	30.08	-.01	47	45	+2	NE	2	0	2	b	*	50	43	-
	Stornoway ...	30.01	54	SSE	1	0	29.97	-.05	46	45	+6	SW	2	c	2	c.o	2.8	58	38	-
	Wick	30.08	50	S	3	0	30.02	-.06	50	47	+1	S	4	0	1	0	*	56	46	-
	Nairn	30.06	44	L	0	b	30.04	-.04	41	41	+1	S	1	om	0	bm	*	57	32	-
	Aberdeen ...	30.11	48	ESE	1	og	30.07	-.04	47	44	0	SE	1	omw	2	og	0.1	53	42	-
	Leith	30.08	51	SE	1	0	30.06	-.03	47	45	0	L	0	m	*	0	*	52	38	-
	Shields	30.10	50	L	0	0	30.09	-.02	49	46	0	E	1	cm	2	0	*	52	48	-
	Spurn Head ...	30.08	53	NNW	2	0	30.09	+.01	54	51	+4	N	1	ov	3	ov	*	54	50	-
	York	30.10	52	NE	1	0	30.10	-.01	50	47	0	ENE	1	c	*	0	0.0	53	46	-
	Loughborough ...	30.09	50	NE	1	b	30.12	+.02	34	34	-15	NW	1	bmw	*	o,c,bm	*	59	29	-
	Ardrossan ...	30.06	51	NNW	3	of	30.03	-.06	48	47	+1	NNE	2	of	1	of	*	54	42	-
	Malin Head ...	29.97	61	NE	2	cm	29.96	-.03	51	49	-1	SSE	4	cm	2	cm	*	62	49	-
	Belmullet ...	29.95	62	SSW	1	c	29.88	-.08	56	53	-1	SE	3	b	*	b,c	*	66	52	-
	Donaghadee ...	30.05	55	SE	5	c	30.02	-.03	55	53	+1	SE	5	c	3	c	*	56	52	-
	Liverpool (Bidston)	30.05	51	ESE	2	b	30.06	-.03	48	44	0	ESE	2	b	2	bm	*	55	41	-
	Holyhead ...	30.04	55	N	1	b	30.03	-.02	48	46	-2	SE	1	bcm	1	b	*	61	44	-
	Parsonstown ...	29.98	59	L	0	c	29.96	-.03	53	51	0	SE	1	o	*	c	6.7	63	51	-
	Valencia ...	29.90	60	SE	3	bcm	29.86	-.06	60	55	0	SE	4	bc	3	bcm	9.3	66	57	-
	Roche's Point ..	29.97	60	S	5	o	29.94	-.05	60	55	0	S	4	c	4	o	*	61	58	-
	Pembroke (St. Ann's Hd.)	30.03	58	SE	3	b	29.99	-.05	53	52	+3	SE	4	og	4	b	7.0	59	50	-
	Scilly	29.93	59	E	5	bc	29.93	-.01	59	55	0	ESE	4	c	2	bc	7.3	63	54	-
	Prawle Point ...	29.98	57	E	4	bc	30.00	.00	58	54	+1	SE	4	c	3	bc	*	63	52	-
	Jersey (St. Aubin's)	29.95	60	NE	4	b	29.99	-.01	57	52	-1	E	4	bm	4	b	*	65	54	-
	Hurst Castle ...	30.02	60	ESE	2	b	30.04	-.02	54	50	+3	NE	3	cm	2	b	*	65	46	-
	Dungeness ...	30.03	58	ENE	1	c	30.05	+.02	58	54	+2	ESE	2	op	1	c	*	63	50	-
	North Foreland	30.05	57	N	3	c	30.07	+.01	58	53	+1	N	3	c	3	c	*	59	53	-
	London (Brixton) ...	30.05	57	NE	1	b	30.09	+.03	44	43	-9	NE	1	bm	*	bm, b	3.5	62	39	-
	Oxford	30.07	49	NE	2	b	30.10	+.01	41	40	-6	N	1	c	*	b	*	62	35	-
	Cambridge ...	30.08	53	ENE	1	0	30.10	+.02	48	46	-3	L	0	0	*	0	0.0	58	38	-
	Yarmouth ...	30.04	55	NW	2	c	30.07	+.03	55	49	+3	NNE	2	bc	3	c	*	56	50	-
GERMANY & HOLLAND.	Cuxhaven ...	29.91	50	L	0	r	30.05	+.10	46	45	-3	L	0	b	*	r	*	52	45	0.28
	Berlin	29.95	50	L	0	b	30.04	+.11	46	44	0	L	0	b	*	b	*	57	43	-
	Wiesbaden ...	*	*	*	*	*	30.07	+.05	45	43	-7	L	0	b	*	*	*	59	43	-
	Munich... ..	30.04	45	SE	1	b	30.08	+.06	43	41	-2	W	2	b	*	b	*	55	34	-
	The Helder ...	29.98	56	N	2	c	30.04	+.07	59	51	+3	L	0	bc	0	c	*	59	52	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.09	+.05	53	49	+2	L	0	b	*	0	*	60	41	-
	Cape Gris Nez...	?	58	ENE	2	c	?	?	55	50	-2	SSE	1	0	1	c	*	64	50	-
	Paris	30.00	52	NNE	2	b	30.02	.00	44	42	0	NE	2	b	*	b	*	64	40	-
	Brest	29.88	64	ENE	1	c	29.93	+.01	54	50	+3	E	3	c	2	c	*	72	50	-
	Lorient... ...	29.87	64	ENE	4	b	29.88	-.04	51	48	0	ENE	5	c	3	b	*	72	50	-
FRANCE &	Rochefort ...	29.80	68	E	4	bc	29.79	-.05	52	50	0	ENE	4	bc	*	bc	*	82	54	-
	Belfort	29.97	53	E	4	m	30.05	+.08	41	40	+1	E	3	m	*	m	*	63	32	-
	Lyons	29.91	60	NNE	1	b	29.99	+.04	45	43	-1	NW	1	m	*	b	*	69	42	-
	Nice	29.81	67	E	4	b	29.91	+.17	63	60	0	E	2	b	1	b	*	77	61	-
	Perpignan ...	29.79	67	N	2	c	29.84	+.06	67	63	+3	NE	2	o	*	c	*	77	63	-
	Biarritz ...	29.78	67	NSW	2	r	29.79	+.04	64	63	-1	SW	3	r	2	r	*	72	63	0.67
PENINSULA.	Corunna ...																*			
	Lisbon	29.95	67	N	3	bc	30.03	+.16	66	61	-4	NNW	1	c	*	bc	*	75	63	-
	Azores (P. Delgada)	30.11	68	NSW	2	c	30.06	-.05	69	65	+3	NSW	3	c	3	c	*	73	64	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

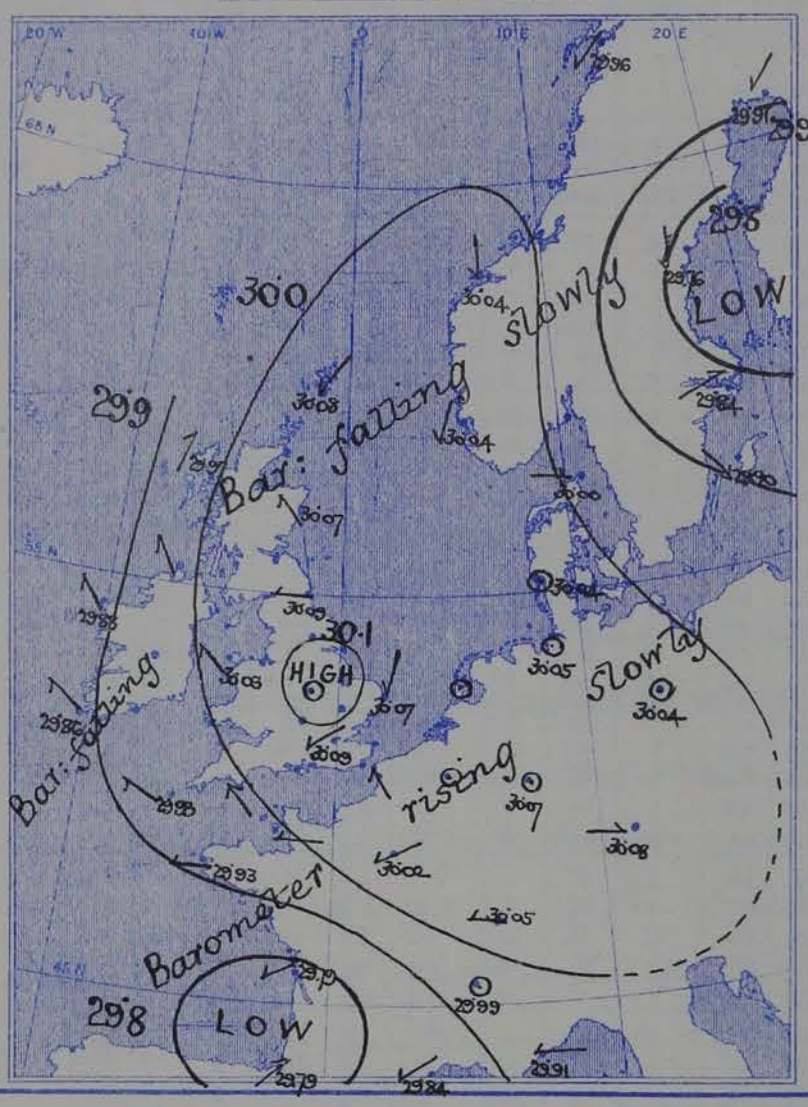
Bright Sunshine yesterday Southport 6.9 hrs;

WEATHER CHARTS

FOR Monday, 26th September, 1898

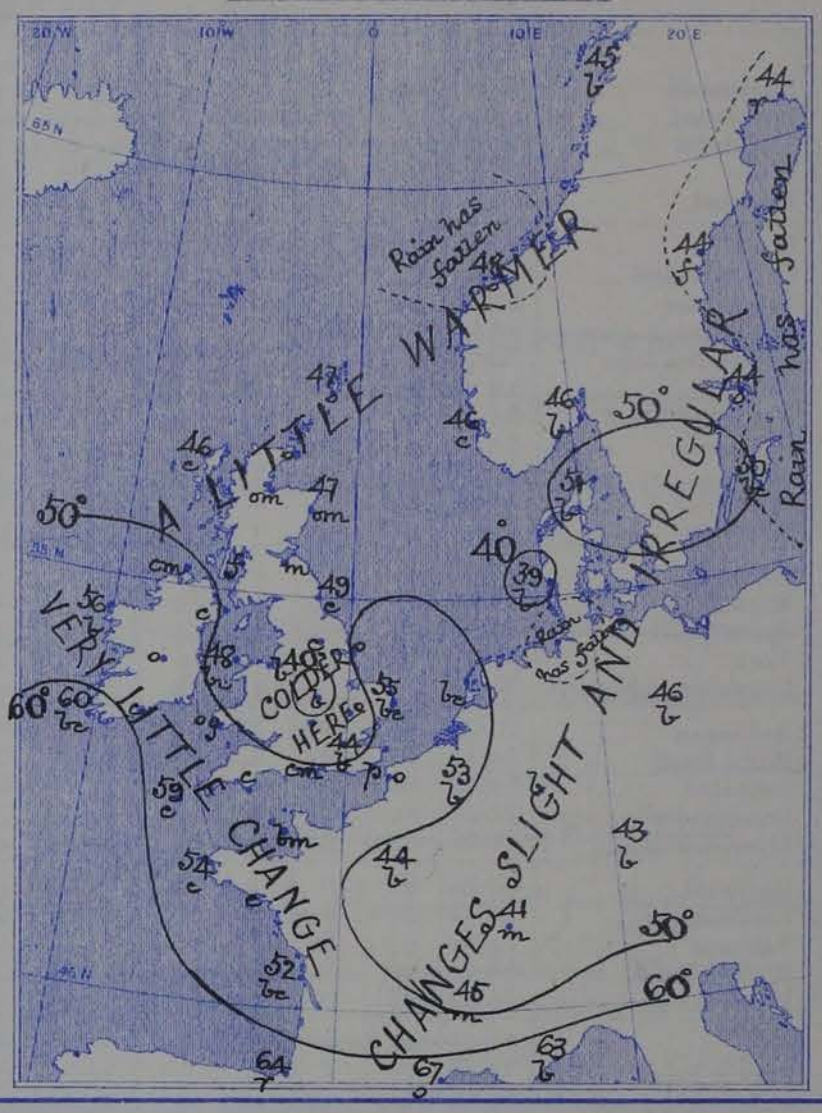
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins. and upwards over Central England; 30·0 ins. and upwards in an anticyclone covering the greater part of Western Europe.
Lowest, 29·8 ins. and less, in two shallow depressions – one lying over the southern part of the Bay of Biscay and the other over the southern part of the Gulf of Bothnia.
Gradients slight. Barometer falling a little in the west and north of our Islands and the west of Norway, but rising elsewhere.

TEMPERATURE

Highest, (1) 67° at Perpignan, 66° at Lisbon, 64° at Paris, and 63° at Nice; (2) 60° at Valencia (Ireland) and Roches Pt. and 59° at Scilly and the Helder.
Lowest, (1) 34° at Loughborough and 41° at Oxford; (2) 41° at Belfort, 43° at Munich, and 44° at Paris; (3) 44° at Haparanda, Hernösand and Stockholm.
Ground frost occurred last night over the inland parts of Great Britain; at Loughborough the thermometer on the grass fell to 16° and in London to 30°.

WIND

Light to moderate from the E. or NE. over the south of England and the greater part of France.
Moderate to fresh from the SE. on our western coasts, S. in the north of Scotland.
NE. in the north of Scandinavia; N. in the west of Norway; NW. in the south of Sweden; calm over Denmark, Germany and the Netherlands.

WEATHER

Fair or fine over Western Europe as a whole, but misty on many parts of the British coasts. A slight shower is reported at Dumfries, and rain at Biarritz and also at Haparanda.
Rain fell yesterday at some of the Scandinavian stations, as well as at Cuxhaven and Biarritz. Over our Islands the weather continues very dry.

SEA

Moderate on some parts of our southwest coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are some indications of the advance of a depression towards the Irish coasts, but over Great Britain the weather is likely to remain fair and dry for the present.

FORECASTS

For the 24 hours ending at NOON on 27th SEPT 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. winds, light or moderate; fair generally.
1 SCOTLAND EAST 2 ENGLAND N.E.	E. and SE. winds, light; fair generally but some mist or fog.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E. and NE. winds, light; fair generally, but some mist or fog.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos 1 + 2.
8 ENGLAND S.W.	E. and SE. winds, moderate or fresh; fair generally.
9 IRELAND NORTH 10 IRELAND SOUTH	SE. and S. winds, fresh; fair at first, some rain later.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·01	55	46	NSW	4	b	1
Sumburgh Head							
Stornoway	30·01	58	53	SSE	2	c	2
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29·96	62	57	SSE	3	c	1
Belmullet	29·94	66	59	SSE	1	b	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29·98	64	56	ESE	4	b	4
Hurst Castle ...							
Dungeness ...	30·03	61	54	ENE	2	c	2
North Foreland	30·05	57	50	N	3	c	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29·85	80	75	E	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 18TH TO THE 24TH SEPT: 1898.

At the beginning of the week barometrical pressure was highest over the Baltic, Eastern Germany and Austria, and lowest in a V shaped depression which passed across our Islands, the latter system occasioning rain over nearly the whole of Western Europe, and strong NW. winds on many parts of our western coasts. The high pressure area over Central Europe soon broke up, but a new anticyclone advanced over France from the Atlantic, and eventually settled down over the more central and southern countries, the weather over the United Kingdom being again affected for a time by a depression which appeared off our northern coasts on the 20th, and which ultimately moved slowly eastward and southeastwards across Scandinavia to Central Russia. In the rear of this disturbance a strong gale from N. or NW. sprang up over the Baltic and the southern parts of Scandinavia, the weather being showery and unsettled over northern Europe generally.

A new anticyclone was now formed over the United Kingdom, the system eventually spreading over nearly the whole of northwestern Europe, and occasioning a renewal of fair dry weather in our Islands and France. The prevailing winds at this time were mostly from between N. and E. and a gradual fall of temperature took place over the United Kingdom, with a pound frost at many of the inland stations on the night of the 23rd.

At the close of the week the barometer was falling generally, and the anticyclone appeared to be breaking up, the movements were however very gradual and in our Islands the weather remained extremely dry.

Over southern Europe the weather was upon the whole fine and warm, but in Spain a rather decided change took place after the 20th, heavy rain being experienced in many parts of the country.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 27th September 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.99	41	NE	2	b	29.95	+ .04	40	39	− 4	NE	4	0	#	b	#	50	39	0.04
	Hernösand ...	29.84	45	NE	4	0	29.87	+ .11	46	44	+ 2	N	2	0	#	0	#	48	41	0.16
	Stockholm ...	29.82	46	SW	2	c	29.86	+ .02	46	44	+ 2	W	4	0	#	c	#	52	41	0.12
	Wisby	29.90	51	WNW	4	b	29.93	+ .03	49	47	− 1	NW	4	c	#	b	#	52	43	0.04
	Karlstad ...	29.89	43	2	0	b	29.92	+ .01	42	41	− 4	NW	2	b	#	b	#	#	#	—
	Bodö	29.95	45	2	0	b	29.97	+ .01	46	42	+ 1	ENE	2	b	1	b	#	52	41	—
	Christiansund ...	29.97	46	N	2	r	29.92	− .12	45	44	− 3	ESE	2	b	3	r	#	50	45	0.24
	Skudesnaes ...	29.97	46	N	2	b	29.92	− .12	46	45	0	2	0	c	1	bc, b	#	55	41	#
	Færder (Christiania Fjord)	29.90	52	WSW	2	b	29.88	− .09	51	46	+ 5	SSE	2	b	2	b	#	54	46	—
	Skagen (The Scaw)	29.95	50	WNW	3	b	29.93	− .07	50	48	− 1	SW	3	0	0	b	#	55	45	—
	Fanö	29.99	47	2	0	c	29.95	− .09	49	48	+ 10	2	0	r	#	c	#	59	39	—
	Sumburgh Head	29.94	48	SE	1	0	29.76	− .32	50	49	+ 3	SE	3	0	4	0	#	51	45	0.19
	Stornoway ...	29.81	54	S	3	bc	29.62	− .35	54	52	+ 8	SSE	3	0	3	bc	5.1	58	44	—
	Wick	29.89	50	S	3	0	29.70	− .32	54	52	+ 4	S	2	bc	1	0	#	54	42	—
	Nairn	29.85	50	E	1	bc	29.68	− .36	47	46	+ 6	2	0	0	0	bc	#	55	37	—
	Aberdeen ...	29.92	51	S	4	c	29.76	− .31	50	49	+ 3	S	1	cmw	2	cq, c	2.4	55	39	—
BRITISH ISLANDS	Leith	29.92	54	SSE	1	0	29.73	− .33	53	48	+ 6	S	3	0	#	0	#	61	40	—
	Shields	29.94	54	SE	4	c	29.82	− .27	45	44	− 4	SSW	3	cm	2	bc, c	#	57	43	—
	Spurn Head ...	29.98	55	ESE	4	c	29.84	− .25	55	52	+ 1	SE	3	c	3	c	#	60	51	—
	York	29.97	56	SE	1	c	29.83	− .27	48	45	− 2	SSE	1	b	#	c	5.4	62	42	—
	Loughborough ...	29.97	54	SE	1	bc	29.84	− .28	43	42	+ 9	SE	1	cmw	#	bcm, cm	#	68	34	—
	Ardrossan ...	29.88	56	ESE	3	bf	29.69	− .34	54	52	+ 6	ENE	4	of	3	bc, bf	#	58	47	—
	Malin Head ...	29.78	58	S	3	cm	29.57	− .39	53	52	+ 2	S	4	r	2	b, cm	#	61	51	0.10
	Belmullet ...	29.72	62	S	3	0	29.69	− .19	53	49	− 3	NNW	4	b	#	b, 0	#	64	49	0.15
	Donaghadee ...	29.89	56	SSE	6	b	29.67	− .35	56	54	+ 1	SSE	6	0	4	b	#	59	53	—
	Liverpool (Bidston)	29.95	51	SE	1	b	29.76	− .30	47	44	− 1	ESE	3	0	?	bm	#	60	41	—
	Holyhead ...	29.90	56	SE	1	bc	29.69	− .34	54	51	+ 6	ESE	2	cm	1	bc	#	62	47	—
	Parsonstown ...	29.81	58	SE	1	0	29.66	− .30	51	50	− 2	W	2	or	#	b, 0	6.2	64	50	0.30
	Valencia ...	29.71	62	SSE	5	og	29.76	− .10	56	50	− 4	NNW	6	bc	5	cq, og	6.5	65	52	0.57
	Roche's Point ..	29.83	60	S	5	c	29.67	− .27	55	52	− 5	NNW	5	c	4	c, r	#	61	52	0.48
	Pembroke (St. Ann's Hd.)	29.90	59	SSE	4	b	29.68	− .31	58	56	+ 5	SSE	5	og	4	b	8.6	60	53	—
	Scilly	29.84	58	ESE	4	bc	29.66	− .27	61	60	+ 2	S	3	omp	2	bc	8.1	63	55	0.02
	Prawle Point ..	29.89	57	ESE	5	bc	29.74	− .26	59	56	+ 1	S	3	cw	3	bc	#	61	53	—
	Jersey (St. Aubin's)	29.86	62	E	4	b	29.78	− .21	54	51	− 3	ENE	2	cm	2	b	#	64	49	—
	Hurst Castle ...	29.94	59	E	3	b	29.79	− .25	59	56	+ 5	E	2	bcm	2	c, b	#	62	49	—
	Dungeness ...	29.96	57	ENE	3	b	29.83	− .22	58	54	0	SE	2	c	2	0, b	#	63	55	—
GERMANY & HOLLAND	North Foreland	30.00	56	NE	3	bc	29.86	− .21	58	54	0	E	2	c	1	c, bc	#	59	54	—
	London (Brixton) ...	29.97	55	NE	2	bc	29.82	− .27	49	45	+ 3	E	1	cm	#	bc, b	3.8	67	40	—
	Oxford	29.96	53	ESE	2	b	29.83	− .27	43	42	+ 2	E	1	cm	#	bm	#	64	38	—
	Cambridge ...	29.98	54	ESE	1	bm	29.85	− .25	45	44	− 3	2	0	cm	#	bm	3.8	69	38	—
	Yarmouth ...	30.00	58	ENE	3	b	29.87	− .20	57	52	+ 2	ESE	4	cr	4	b	#	60	51	—
	Cuxhaven ...	30.06	52	2	0	b	29.99	− .06	43	41	− 3	S	1	b	#	b	#	54	39	—
	Berlin	30.09	53	2	0	c	30.12	+ .08	42	41	− 4	SE	1	b	#	c	#	59	39	—
	Wiesbaden ...	#	#	#	#	#	29.97	− .10	44	42	− 1	2	0	b	#	#	#	59	39	—
	Munich... ..	30.05	44	SE	3	b	29.99	− .09	40	39	− 3	SE	2	b	#	b	#	55	30	—
	The Helder ...	30.00	50	2	0	b	29.92	− .12	54	51	− 5	2	0	b	0	b	#	63	45	—
BELGIUM	Brussels ...	#	#	#	#	#	29.89	− .20	49	45	− 4	SE	1	b	#	b	#	61	?	—
	Cape Gris Nez ...	?	55	ESE	2	b	?	?	50	45	− 5	SE	1	bc	1	b	#	63	45	—
	Paris	29.92	54	NE	2	bc	29.85	− .17	41	40	− 3	NNE	2	bc	#	bc	#	65	37	—
	Brest	29.81	66	NE	1	b	29.78	− .15	59	57	+ 5	SSE	1	0	1	b	#	70	50	—
	Lorient... ...	29.82	65	2	0	bc	29.80	− .08	54	50	+ 3	E	1	0	2	bc	#	73	50	—
FRANCE	Rochefort ...	29.77	66	SW	2	0	29.82	+ .03	64	63	+ 12	W	3	0	#	0	#	79	50	0.04
	Belfort	29.89	55	ENE	4	m	29.91	− .14	46	43	+ 5	E	2	m	#	m	#	64	41	—
	Lyons	29.86	62	NNW	1	bc	29.87	− .12	60	56	+ 15	E	1	0	#	bc	#	72	45	—
	Nice	29.87	64	E	2	0	29.85	− .08	62	58	− 1	E	3	c	5	0	#	75	59	0.32
	Perpignan ...	29.78	68	NE	3	b	29.85	+ .09	62	60	− 5	SW	2	c	#	br	#	77	60	0.59
	Biarritz ...	29.82	64	WSW	5	r	29.86	+ .07	65	59	+ 1	WSW	5	0	3	r	#	68	61	1.18
PENINSULA	Corunna ...																#			
	Lisbon														#		#			
	Azores (P. Delgada)	30.10	71	WSW	3	0	30.12	+ .06	66	64	− 3	NNE	4	r	3	0	#	73	64	0.12

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 7·9 hrs;

WEATHER CHARTS

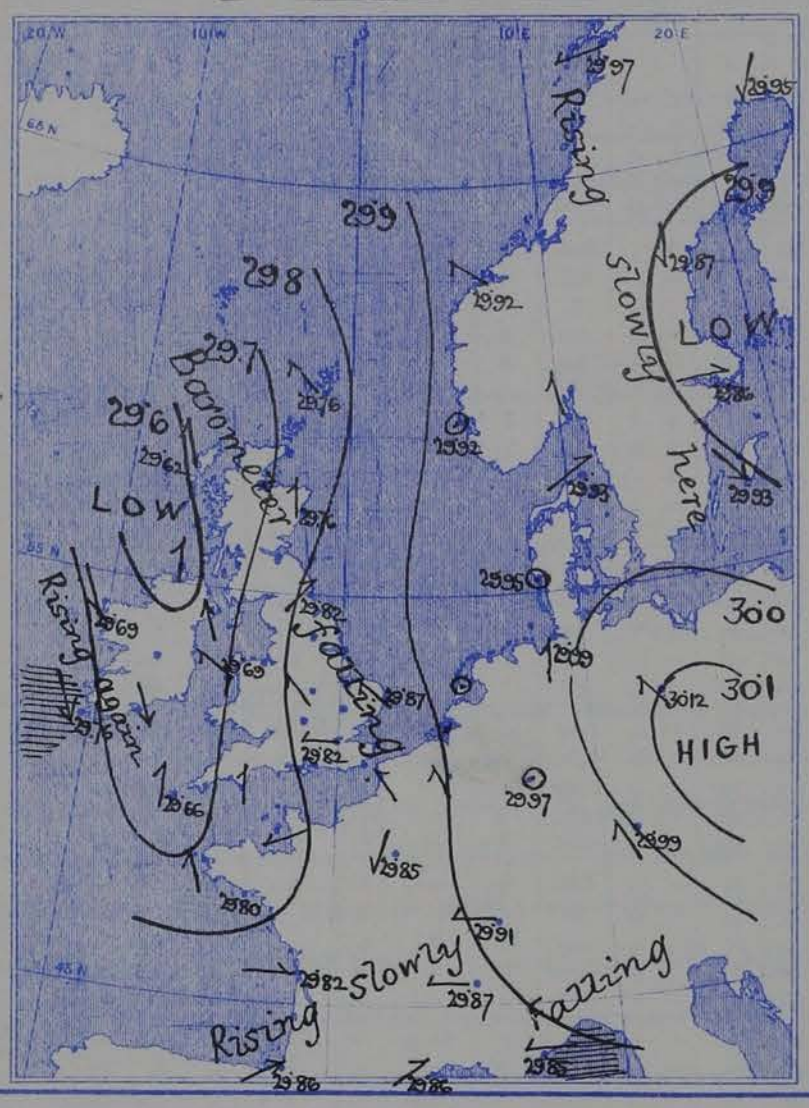
FOR Tuesday, 27th September, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙

SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	61·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards in an anticyclone over central Germany.
Lowest 29.6 ins. and less in a "V shaped" depression lying over our W^rn. coasts, with its centre off the W. of Scotland.
Gradients slight. Barometer falling over Gt. Britain and all neighbouring parts of the Continent, but rising again in the W. and S. of Ireland.

TEMPERATURE

Highest 65° at Biarritz, 64° at Rochefort, 62° at Nice and Perpignan, 61° at Scilly, 60° at Lyons, and 59° at Prawle Pt. and Hurst Castle.
Lowest (1) 40° at Haparanda, and 42° at Karlstad; (2) 40° at Munich, 41° at Paris, and 42° at Berlin; (3) 43° at Loughborough and Oxford.
A ground frost was again experienced last night at some of our N^rn. and central stations; at Loughborough the exposed thermometer fell to 29°.

WIND

Light to moderate from the S^wd. or SE^wd. over Gt. Britain as a whole, but E^ly. in the southeast of England, fresh to strong from the N^wd. or NW^wd. in the west and south of Ireland.
W^ly. or SW^ly. in the southwest of France; light from the E^wd. or SE^wd. over Germany & the Netherlands.
NE^ly. in the northern parts of Scandinavia; NW^ly. or W^ly. in the south of Sweden.

WEATHER

Dull in the W. and N. of our Islands generally, with rain at Malin Hd. and Parsonstown, but fine in the W. of Ireland.
Fair or fine in nearly all other parts of W^rn. Europe, but with mist at several of our own E^rn. and central stations. A solar halo was reported at Oxford.
Since yesterday morning rain has fallen over nearly the whole of Ireland, – rather heavily in the S.
Rain has also occurred in the Shetlands, as well as at many of the Scandinavian stations and in the S. of France, – as much as 1.2 ins. at Biarritz; a thunderstorm occurred at Perpignan. Lunar halos were seen last night at Roches Pt. and St. Spurn Head.

SEA

Moderate to smooth generally, but rather rough at Valencia (Ireland) and also at Nice.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "V shaped" depression in the west seems likely to spread further to the eastward and to occasion rain in many parts of Gt. Britain. The general distribution of pressure is becoming rather complex, and less settled weather is probable over W^rn. Europe as a whole.

FORECASTS

For the 24 hours ending at NOON on 28th. SEPT. 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	S^ly. to variable breezes; fair at first, some rain later.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E^ly. to S^ly. winds, light or moderate; fair at first, some rain later.
6 SCOTLAND WEST 7 ENGLAND N.W.	SE^ly. winds shifting later to the W^wd. or NW^wd.; cloudy, some rain.
8 ENGLAND S.W.	Wind shifting to the NW^wd. or N^wd.; some rain at first, then fair.
9 IRELAND NORTH 10 IRELAND SOUTH	NW^ly. and N^ly. winds backing later, changeable, some showers.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30.02	55	48	S	2	bc	0
Sumburgh Head	30.02	50	46	SE	1	0	2
Stornoway	29.88	58	54	S	3	bc	3
Aberdeen	29.98	51	46	S	4	cq	3
Shields	30.01	55	50	SE	2	bc	2
Ardrossan	29.95	58	55	SE	3	bcf	3
Malin Head ...	29.83	61	55	S	4	b	2
Belmullet	29.79	64	59	S	4	b	*
Holyhead	29.97	60	54	S	2	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.77	65	60	SSE	5	cq	5
Scilly	29.89	62	59	ESE	4	bc	2
Jersey	29.92	64	56	ESE	5	b	4
Hurst Castle ...	29.98	62	59	E	3	c	2
Dungeness ...	30.01	61	54	E	2	c	1
North Foreland	30.04	58	52	NNE	2	c	2
London (Westminster)	30.01	61	52	NE	2	c	*
Yarmouth ...	30.03	60	53	NE	3	b	3
Rochefort ...	29.80	73	65	SE	1	0	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over the greater part of our Islands and the Continent, but misty on several parts of the British coasts. Dull in Spain and the extreme S. of France, with rain at Bilbao and Biarritz; dull also in many parts of Sweden and Russia, with fog over the Gulf of Finland and rain at Haparanda and Kuopio, as well as at Karlstad. Rain falling at night over nearly the whole of Ireland, rather heavily in the south. Heavy rain occurring also in the S. of France, with thunder at Perpignan.

Temperature changed very irregularly – Morning readings highest 77° at Sanguinaire, 76° at Malta and Algiers, and 75° at Spax; above 65° in most parts of S^rn. Europe. Lowest (1) 34° at Loughborough, and 41° at Oxford and Nairn; (2) 36° at Hermanstadt, 37° at Riga and St. Petersburg, and 40° at Lemberg. Daily maxima below 60° on many parts of our own N^rn. coasts, but thermometer exceeding 65° over the inland parts of England; exceeding 70° in France, and reaching 77° at Perpignan. Ground frost occurring over some of the inland parts of Gt. Britain at night.

Wind light to moderate from the E^ly. or NE^ly. over France and the English Channel; moderate to fresh from the SE^ly. on our western coasts; S^ly. in the north of Scotland, NE^ly. in the north of Scandinavia, but NW^ly. in the south; S^ly. or SE^ly. over northern Russia. Calm or light and variable over the Netherlands, Denmark, Germany and Austria; N^ly. in the S. of Russia; variable in Spain and Italy. Subsequently shifting to the W. or SW. in the west of France; no important change occurring elsewhere.

Barometer highest 30.22 ins. at Hermanstadt, 30.1 ins. and upwards over SE^rn. Europe generally; 30.1 ins. and upwards in an anticyclone spreading thence over central Europe, the North Sea and Gt. Britain, as well as in other systems lying respectively over N^rn. Russia and to the SW. of Spain. Lowest 29.8 ins. and less in two shallow depressions, – one lying over the S^rn. parts of the Gulf of Bothnia, and the other over the S^rn. parts of the Bay of Biscay. New disturbance approaching the Irish coasts later, and barometer falling over W^rn. Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 28th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.64	43	N	6	r	29.63	−.32	45	42	+ 5	N	4	o	*	r	*	50	34	0.24
	Hernösand ...	29.92	40	Z	o	b	29.91	+.04	43	40	− 3	N	2	b	*	b	*	52	37	0.04
	Stockholm ...	29.96	44	NE	2	b	30.02	+.16	44	42	− 2	W	2	b	*	b	*	50	41	—
	Wisby	29.99	51	W	4	b	30.05	+.12	48	47	− 1	SSW	2	b	*	b	*	54	46	—
	Karlstad ...	29.97	42	SSW	2	b	30.04	+.12	39	38	− 3	N	2	f	*	b	*	*	*	—
	Bodö	29.95	46	NE	2	b	29.99	+.02	46	43	0	SW	4	b	2	b	*	?50	39	—
	Christiansund ...	29.96	43	ENE	1	m	29.95	+.03	42	41	− 3	E	2	b	2	m	*	50	41	—
	Skudesnaes ...	29.90	51	Z	0	0	29.88	−.04	52	47	+ 6	ESE	4	c	3	b,o	*	54	46	*
	Færder (Christiania Fjord)	29.93	51	SE	2	c	30.00	+.12	48	47	− 3	E	2	o	1	c	*	52	48	—
	Skagen (The Scaw)	29.91	50	Z	0	c	29.96	+.03	54	51	+ 4	SE	2	o	0	c	*	55	48	—
	Fanö	29.87	49	SE	4	c	29.79	−.16	49	48	0	E	4	c	*	c	*	54	48	—
BRITISH ISLANDS.	Sumburgh Head	29.65	52	ESE	3	o	29.63	−.13	52	51	+ 2	ESE	4	o	6	o	*	54	50	0.01
	Stornoway ...	29.54	53	WSW	3	r	29.61	−.01	48	46	− 6	NW	4	o	4	r	0.0	55	43	0.65
	Wick	29.59	53	E	4	o	29.53	−.17	52	50	− 2	S	4	r	2	o	*	58	42	0.05
	Nairn	29.56	55	Z	0	c	29.58	−.10	49	48	+ 2	W	2	o	1	c	*	65	45	0.35
	Aberdeen ...	29.64	53	SSE	5	ogq	29.51	−.25	51	50	+ 1	SSE	2	og	4	cq,ogq,p	1.1	57	50	0.03
	Leith	29.60	54	SE	2	o	29.59	−.14	47	45	− 6	W	3	rm	*	o	*	62	45	0.09
	Shields	29.64	55	SE	3	o	29.66	−.16	49	45	+ 4	SW	4	b	2	c,o,p	*	58	44	—
	Spurn Head ...	29.68	59	SSE	4	c	29.79	−.05	52	50	− 3	W	5	b	4	c,p	*	60	48	0.05
	York	29.66	57	SE	1	r	29.78	−.05	51	48	+ 3	WSW	2	b	*	c,o,r	1.6	62	44	0.04
	Loughborough ...	29.67	57	SE	1	o	29.89	+.05	48	45	+ 5	WSW	3	bs	*	cm,op,b	*	63	43	0.01
	Ardrossan ...	29.55	54	ENE	3	rf	29.70	+.01	52	50	− 2	W	5	o	3	of,rf	*	57	47	0.55
	Malin Head ...	29.62	49	W	6	r	29.75	+.18	52	48	− 1	NW	5	cq	5	r	*	53	48	0.56
	Belmullet ...	29.87	53	WNW	3	c	29.92	+.19	54	48	+ 1	WNW	5	o	*	bc,c	*	57	48	0.03
	Donaghadee ...	29.61	49	WNW	5	r	29.81	+.14	48	46	− 8	W	6	bc	4	r	*	57	44	0.99
	Liverpool (Bidston)	29.64	53	WSW	4	o	29.85	+.09	53	48	+ 6	W	6	bc	5	cp	*	57	47	0.08
	Holyhead ...	29.65	52	NW	7	c	29.89	+.20	51	48	− 3	W	5	bc	4	dm,c	*	59	47	0.03
	Parsonstown ...	29.79	52	NW	1	b	29.96	+.30	46	45	− 5	NW	1	b	*	b,p	4.7	58	41	0.01
	Valencia ...	29.89	55	WNW	4	bc	30.03	+.27	55	49	− 1	W	3	cp	4	bc	8.4	58	50	0.06
	Roche's Point ...	29.86	55	NW	4	b	30.01	+.34	52	48	− 3	NW	3	b	3	b	*	58	48	—
	Pembroke (St. Ann's Hd.)	29.78	57	NW	4	b	29.97	+.29	54	50	− 4	NW	4	b	4	b	2.9	60	52	0.16
	Scilly	29.88	59	NW	5	c	30.02	+.36	57	53	− 4	NW	4	cp	2	c	6.8	62	52	0.03
	Prawle Point ...	29.81	54	WNW	4	bc	30.02	+.28	55	50	− 4	NW	3	b	2	p,bc	*	61	46	0.02
	Jersey (St. Aubin's)	29.81	60	WNW	4	cgr	30.00	+.22	54	52	0	NW	2	bc	2	c,rg,p	*	67	?47	0.07
	Hurst Castle ...	29.71	61	WSW	3	cp	29.98	+.19	53	50	− 6	WNW	2	b	2	cm,cp	*	65	46	0.01
	Dungeness ...	29.74	59	SW	4	cp	29.94	+.11	54	50	− 4	WNW	3	b	3	c,cp	*	65	43	0.07
	North Foreland	29.74	58	SSE	2	c	29.92	+.06	53	50	− 5	NW	4	b	3	c	*	61	50	0.12
	London (Brixton) ...	29.70	60	SSW	2	o	29.94	+.12	48	45	+ 1	WNW	2	b	*	c,odp,b	1.0	65	42	—
	Oxford	29.74	55	W	3	bc	29.95	+.12	47	45	+ 4	WSW	2	b	*	c,p,bc	*	64	41	0.01
	Cambridge ...	29.70	58	Z	0	od	29.91	+.06	48	45	+ 3	SW	3	b	*	c,od	3.1	69	42	—
	Yarmouth ...	29.73	59	SSE	4	c	29.83	−.04	49	46	− 8	WNW	4	bw	3	bc,c	*	60	45	0.01
GERMANY & HOLLAND.	Cuxhaven ...	29.88	55	S	1	b	29.78	−.21	47	45	+ 4	SE	3	o	*	b	*	59	43	—
	Berlin	29.95	53	Z	0	b	29.88	−.24	45	43	+ 3	ESE	3	b	*	b	*	61	42	—
	Wiesbaden ...	*	*	*	*	*	29.80	−.17	51	50	+ 7	Z	0	r	*	*	*	63	44	0.08
	Munich... ..	29.91	50	Z	0	b	29.86	−.13	48	47	+ 8	E	1	o	*	b	*	63	40	—
	The Helder ...	29.75	58	ESE	1	c	29.73	−.19	56	54	+ 2	SW	1	r	0	c	*	61	48	0.04
BELGIUM.	Brussels ...	*	*	*	*	*	29.84	−.05	53	53	+ 4	WNW	3	r	*	o	*	70	49	0.20
	Cape Gris Nez ...	?	56	SSW	2	m	?	?	54	50	+ 4	NNW	4	bc	4	m	*	66	45	0.08
	Paris	29.80	59	W	2	r	29.95	+.10	51	48	+ 10	NW	3	b	*	r	*	71	41	0.16
	Brest	29.91	59	NW	3	o	30.06	+.28	55	52	− 4	N	2	bc	2	o	*	66	50	0.08
	Lorient... ...	29.91	59	NNW	5	o	30.06	+.26	55	54	+ 1	NW	3	bc	5	o	*	73	54	—
FRANCE &	Rochefort ...	29.84	66	NW	3	o	30.06	+.24	?59	55	− 5	NNW	4	c	*	o	*	70	55	0.04
	Belfort	29.79	65	NNE	2	c	29.83	−.08	54	52	+ 8	W	3	r	*	c	*	75	46	0.20
	Lyons	29.83	66	S	1	o	29.91	+.04	57	55	− 3	N	1	r	*	o,t	*	79	57	0.43
	Nice	29.83	60	ENE	5	o	29.74	−.11	63	59	+ 1	E	1	bc	3	o	*	66	59	0.63
	Perpignan ...	29.89	68	NW	3	o	29.96	+.11	62	54	0	NW	4	bc	*	o	*	77	61	—
	Biarritz ...	29.95	68	W	3	o	30.06	+.20	62	57	− 3	NNE	5	r	5	o	*	68	59	0.20
PENINSULA.	Corunna ...																*			
	Lisbon	30.17	68	W	4	o	30.24	+.09	63	57	− 4	N	4	b	*	o	*	72	61	—
	Azores (P. Delgada)	30.22	67	NE	3	o	30.25	+.13	66	64	0	NE	1	c	2	o	*	72	64	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

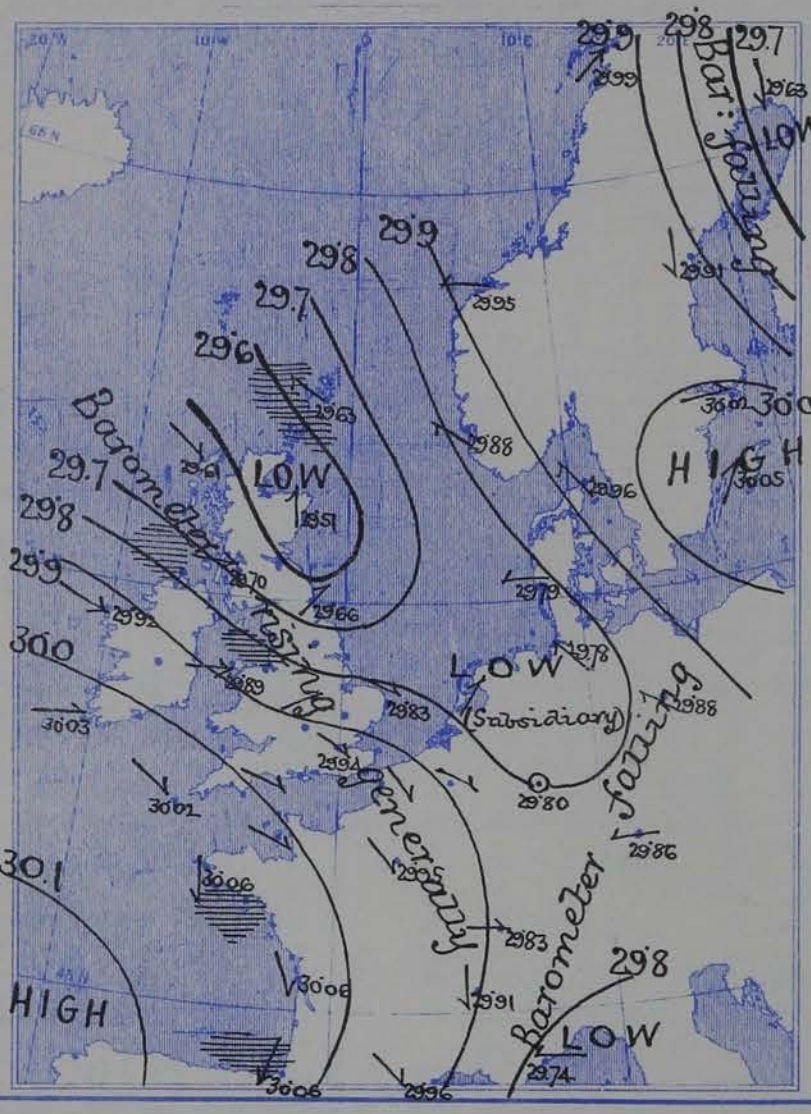
Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Wednesday, 28th September, 1898

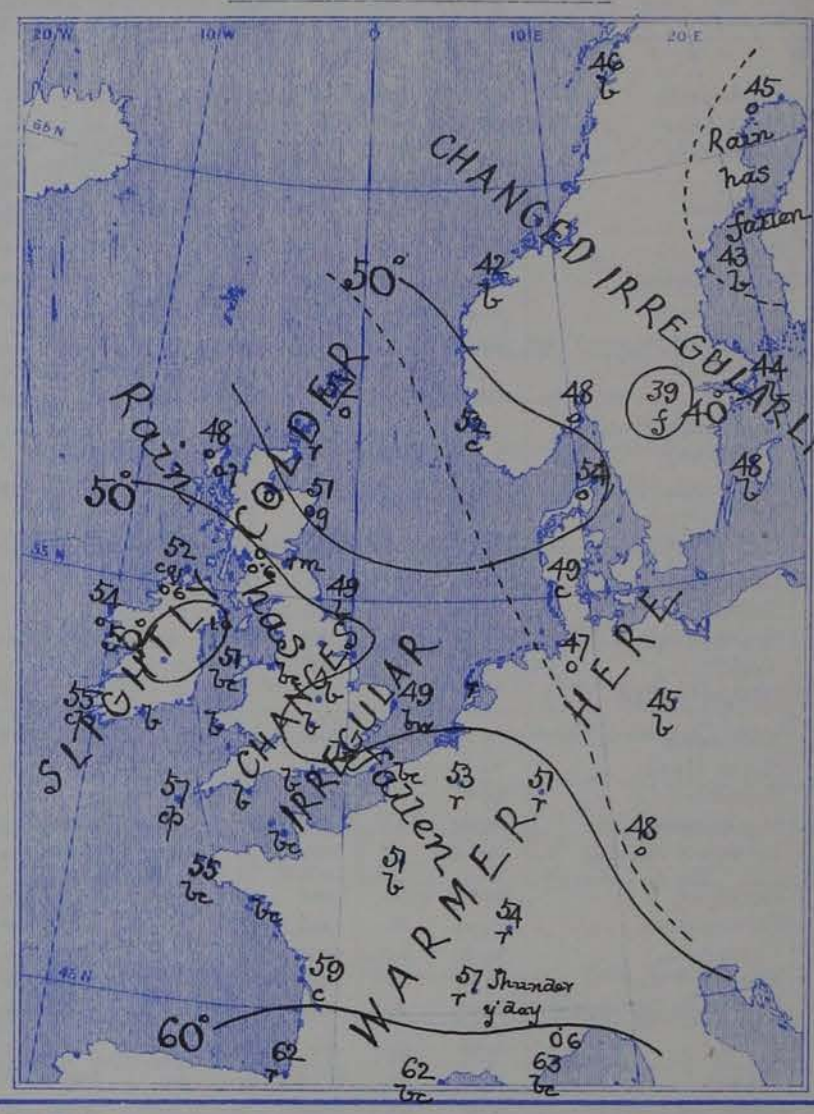
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins and upwards in an anticyclone lying over Portugal; 30.0 ins. and upwards in another system over the south of Sweden.

Lowest 29.6 ins. and less in a depression over the N. and E. of Scotland; 29.8 ins. and less in a secondary system over the North Sea, the Netherlands and NW^rn Germany; 29.7 ins. and less in another disturbance over Lapland.

Gradients slight generally. Barometer rising in most parts of our Islands and France, falling in Denmark and Germany; and also over the Gulf of Bothnia.

TEMPERATURE

Highest 63° at Nice and Lisbon, 62° at Biarritz and Perpignan, 59° at Rochefort, & 57° at Scilly & Lyons.

Lowest 39° at Karlstad, 42° at Christiansund, and 43° at Hernösand; lowest in our Islands 46° at Parsonstown, and 47° at Leith and Oxford.

The maxima registered yesterday were below 60° on many parts of our W^rn and N^rn coasts. At Nairn, however, the thermometer rose to 65°, while at some stations in the S. of England it exceeded that point.

WIND

W^ly or NW^ly over the greater part of our Islands, and fresh or strong in force on our NW. coasts; NW^ly or N^ly in France.

Light to moderate from the S^wd in the northeast of Scotland, and from the SE^wd or E^wd on the eastern shores of the North Sea.

N^ly over the Gulf of Bothnia; W^ly or SW^ly in the south of Sweden.

WEATHER

Fine over the greater part of Ireland, England and the N. of France, but showery at Valencia and Scilly. Dull in Scotland, with rain at Wick and Leith; rain was also falling over the Netherlands and at several of the central French stations; fine in the extreme S. of France & also in Scandinavia.

Since yesterday morning rain has fallen over nearly the whole of W^rn Europe, the largest amounts in our Islands being 1.0 in. at Donaghadee and 0.7 in. at Stornoway; Over England the fall was mostly very slight. Solar and lunar halos were seen yesterday in many parts of England.

SEA

Rough at Sumburgh Hd. and rather rough at Malin Hd. and Liverpool, as well as in the Bay of Biscay, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "V shaped" depression noticed yesterday over our W^rn coasts has travelled NE^wd. There are at present no definite indications of the advance of any new disturbance, but the wind on our extreme W^rn coasts is inclined to back to the W^wd.

FORECASTS

For the 24 hours ending at NOON on 29th SEPT. 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S^ly to W^ly winds moderate, cloudy at first with some rain, then fine.	6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	W^ly to SW^ly winds, moderate or fresh changeable, some showers.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No. 5.		
5 ENGLAND SOUTH	W^ly winds moderate, fair generally, but perhaps local showers.	WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.92	53	48	S	1	b	1
Sumburgh Head	29.71	53	52	ESE	3	o	5
Stornoway	29.57	55	54	S	4	r	4
Aberdeen	29.68	55	51	S	5	cq	4
Shields	29.70	58	52	SSE	3	c	2
Ardrossan	29.61	57	55	ENE	3	o	3
Malin Head ...							
Belmullet	29.78	55	49	WNW	4	bc	*
Holyhead	29.58	55	53	SSE	4	dm	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.85	58	51	W	5	bc	5
Scilly	29.81	59	54	NW	6	c	5
Jersey	29.77	65	58	SSE	2	c	2
Hurst Castle ...	29.74	64	59	SSW	2	ow	2
Dungeness ...	29.76	61	55	SSE	4	c	3
North Foreland	29.77	60	55	E	3	c	2
London (Westminster)	29.74	64	62	SSE	3	c	*
Yarmouth ...	29.77	60	54	SSE	4	bc	4
Rochefort ...	29.84	66	64	NW	4	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair in the E^m. parts of our islands, and also in Norway, Denmark, Germany, Austria, the Netherlands and the N. of France. Cloudy or dull elsewhere, with rain at some of the Irish stations as well as at Faro. Rain falling later over W^n. Europe generally, heavily on our own NW. coasts, and also at some of the French stations, but slightly over England. Solar and lunar halos seen in many parts of England; thunder heard at Lyons in evening.

Temperature fallen in Ireland and also in most parts of central Europe, but risen elsewhere. Morning readings highest 76° at Malta, 74° at Algiers, and 73° at Lesina; above 65° over the southern countries generally. Lowest 32° at Cracow, 36° at Warsaw, and 37° at Breslau; below 45° in most parts of E^m. and central Europe, and also over central England. Daily maxima below 60° at many of our own W^n. and N^n. stations, but thermometer reaching 65° or more over central Scotland and the S. of England; exceeding 70° in France, and touching 79° at Lyons.

Wind light to moderate from the S^wd. or SE^wd. over Gt. Britain as a whole, but E^ly. in the southeast of England; fresh to strong from the N^wd. or NW^wd. in the west and south of Ireland. N^ly. or NE^ly. over the northern parts of Sweden and Russia, but NW^ly. or W^ly. over the Baltic and central Russia. Variable over Germany and the Netherlands and also in Italy; E^ly. in the Riviera; W^ly. or SW^ly. over the southwest of France. Subsequently shifting to the NW^wd. on the west coasts of Gt. Britain, and blowing very strongly in exposed places.

Barometer highest 30.31 ins. at Kharkov, 30.1 ins. and upwards in an anticyclone lying over E^rn. Europe generally, and also in another system off the SW. of Spain. Lowest 29.6 ins. and less in a "V shaped" depression with its centre off the W. of Scotland, and also in another disturbance over the extreme N. of Russia. Western depression subsequently moving NE^wd., and barometer rising again on all our own W^rn. coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 29th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.93	46	NNW	4	b	30.19	+.56	43	40	-2	N	2	b	*	b	*	52	39	-
	Hernösand ...	30.07	42	Z	0	b	30.24	+.33	38	37	-5	Z	0	b	*	b	*	55	38	-
	Stockholm ...	30.10	45	W	2	b	30.20	+.18	42	41	-2	Z	0	b	*	b	*	54	37	-
	Wisby	30.13	46	SSW	4	b	30.17	+.12	49	47	+1	SE	4	b	*	b	*	54	39	-
	Karlstad ...	30.09	42	NE	2	b	30.17	+.13	42	41	+3	NE	2	b	*	b	*	*	*	-
	Bodö	30.11	44	NE	2	bc	30.16	+.17	44	42	-2	E	2	b	1	bc	*	50	39	-
	Christiansund ...	29.97	43	ESE	2	b	29.97	+.02	47	44	+5	ESE	2	c	2	b	*	52	42	-
	Skudesnaes ...	29.88	53	SSE	6	o	29.97	+.09	50	50	-2	SSE	4	o	2	c, o	*	55	45	*
	Færder (Christiania Fjord)	30.03	52	ENE	3	o	30.08	+.08	51	49	+3	E	4	o	3	o	*	54	46	-
	Skagen (The Scaw)	29.98	56	SE	3	m	30.04	+.08	53	51	-1	SE	3	m	0	m	*	?	52	-
	Fanö	29.87	52	Z	0	o	29.93	+.14	51	49	+2	NW	2	c	*	o	*	57	49	-
BRITISH ISLANDS.	Sumburgh Head	29.60	51	ESE	3	o	29.64	+.01	47	47	-5	S	5	r	6	r.o	*	53	44	0.24
	Stornoway ...	29.61	48	NW	4	r	29.64	+.03	48	46	0	N	3	o	3	c, o, r	2.2	50	43	0.85
	Wick	29.59	52	S	4	r	29.70	+.17	50	47	-2	SSW	4	c	3	r	*	59	44	0.65
	Nairn	29.67	48	W	1	r	29.72	+.14	48	45	-1	W	1	bc	1	r	*	52	43	0.25
	Aberdeen ...	29.69	48	SW	2	c	29.79	+.28	45	44	-3	SW	2	bw	2	q, pq, c	0.0	52	37	0.05
	Leith	29.75	50	W	4	o	29.80	+.21	51	46	+4	SSW	1	b	*	o	*	60	43	0.23
	Shields	29.85	51	WSW	3	cp	29.87	+.21	43	42	-6	SW	3	cm	2	cp	*	58	41	-
	Spurn Head ...	29.91	55	W	4	b	29.92	+.13	50	48	-2	S	3	bc	3	b	*	59	45	-
	York	29.91	51	W	2	c	29.92	+.14	40	39	-11	ESE	1	b	*	c, ph, c	6.6	60	36	0.14
	Loughborough ...	29.98	51	WNW	2	b	29.94	+.05	40	39	-8	SE	1	cmw	*	bcp, bc	*	62	37	0.01
	Ardrossan ...	29.81	52	W	4	cqp	29.75	+.05	47	46	-5	NE	2	of	2	bcqp	*	55	45	0.05
	Malin Head ...	29.83	52	W	4	bcp	29.65	-.10	47	46	-5	SE	3	or	2	b, p	*	54	44	0.05
	Belmullet ...	29.93	53	W	3	bc	29.49	-.43	52	51	-2	ESE	3	r	*	bc	*	57	47	1.05
	Donaghadee ...	29.88	50	W	3	bc	29.72	-.09	53	51	+5	S	5	o	3	bc	*	58	39	0.02
	Liverpool (Bidston)	29.94	52	W.	3	bc	29.83	-.02	47	44	-6	SE	3	o	3	bc	*	57	42	-
	Holyhead ...	29.95	51	W	3	b	29.77	-.12	55	52	+4	S	4	ou	3	bc, c	*	58	47	-
	Parsonstown ...	29.96	52	W	1	b	29.52	-.44	53	52	+7	SE	3	rq	*	p, b	8.8	57	45	0.24
	Valencia ...	30.00	55	WSW	2	o	29.53	-.50	59	58	+4	W	4	oqm	5	cu, o, r	5.7	60	53	0.61
	Roche's Point ..	30.02	55	WNW	2	c	29.54	-.47	59	59	+7	SSW	7	r	5	b, cq, r	*	59	50	0.95
	Pembroke (St. Ann's Hd.)	30.01	56	WNW	3	bc	29.74	-.23	55	53	+1	SSW	6	rq	5	bc	9.5	57	53	0.95
	Scilly	30.07	57	WSW	3	c	29.72	-.30	57	56	0	S	7	oqr	4	cp, c	8.8	61	52	0.15
	Prawle Point ...	30.09	58	W	3	bc	29.90	-.12	57	55	+2	SSW	5	oqu	4	tl, c	*	65	51	-
	Jersey (St. Aubin's)	30.09	59	W	4	b	29.99	-.01	58	55	+4	SW	3	oq	3	p, bc	*	67	49	0.05
	Hurst Castle ...	30.03	55	W	3	bcp	29.96	-.02	58	55	+5	SSW	3	cp	2	c, tlp	*	66	45	0.11
	Dungeness ...	29.99	58	W	3	b	30.02	+.08	52	50	-2	WNW	1	bc	1	bc, b	*	65	38	-
	North Foreland	29.99	56	SSE	2	bc	30.02	+.10	55	52	+2	SSE	2	bc	2	b, bc	*	63	44	-
	London (Brixton) ...	30.00	57	W	3	b	29.97	+.03	52	48	+4	S	2	b	*	b, bw	8.4	64	36	-
	Oxford	30.08	49	WSW	2	b	29.96	+.01	46	44	-1	SE	2	bc	*	b	*	63	42	-
	Cambridge ...	29.99	54	WSW	1	b	29.99	+.08	42	41	-6	S	1	cm	*	b	8.5	64	33	-
	Yarmouth ...	29.94	57	W	3	b	29.98	+.15	52	48	+3	S	3	b	2	b	*	60	42	-
GERMANY & HOLLAND.	Cuxhaven ...	29.84	52	Z	0	o	29.98	+.20	54	50	+7	NNW	3	o	*	o	*	55	47	-
	Berlin	29.84	56	Z	0	c	29.87	-.01	51	50	+6	NW	2	r	*	c	*	63	45	0.12
	Wiesbaden ...	*	*	*	*	*	30.07	+.27	48	45	-3	N	1	b	*	*	*	57	45	0.32
	Munich... ..	29.93	51	W	4	r	30.02	+.16	49	49	+1	W	4	r	*	r	*	55	48	1.54
	The Helder ...	29.95	58	NW	2	b	29.96	+.23	51	48	-5	SSW	1	b	0	b	*	59	45	0.08
BELGIUM.	Brussels ...	*	*	*	*	*	30.08	+.24	48	46	-5	S	1	b	*	b	*	60	40	-
	Cape Gris Nez...	?	59	NNW	4	bc	?	?	54	49	0	S	1	bc	1	bc	*	63	48	-
	Paris	30.03	53	NW	2	b	30.12	+.17	39	39	-12	S	1	b	*	b	*	62	36	-
	Brest	30.13	57	NW	1	b	30.02	-.04	57	54	+2	SW	3	o	3	b	*	63	52	0.12
	Lorient... ...	30.13	60	NW	4	bc	30.04	-.02	59	56	+4	WSW	4	o	5	bc	*	66	54	0.04
FRANCE &	Rochefort ...	30.11	62	NW	3	bc	30.12	+.06	54	53	-5	E	2	c	*	bc	*	72	50	-
	Belfort	29.98	52	W	6	m	30.06	+.23	44	42	-10	NW	2	m	*	m	*	65	43	0.16
	Lyons	30.07	53	NNW	1	o	30.09	+.18	46	44	-11	NNW	1	b	*	o	*	58	44	0.16
	Nice	29.71	65	Z	0	c	29.72	-.02	61	57	-2	E	1	bc	2	c	*	73	59	-
	Perpignan ...	30.01	63	W	5	bc	30.05	+.09	60	53	-2	NW	2	b	*	bc	*	68	53	-
	Biarritz ...	30.13	63	W	3	bc	30.10	+.04	57	55	-5	SSE	2	b	3	r, bc	*	68	54	1.34
PENINSULA.	Corunna ...																*			
	Lisbon	30.25	62	N	5	b	30.25	+.01	63	55	0	N	5	b	*	b	*	70	59	-
	Azores (P. Delgada)	30.28	67	N	1	bc	30.26	+.01	66	62	0	N	2	b	2	bc	*	75	63	-

For Explanation of Columns, see bottom of last page. ¦ *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

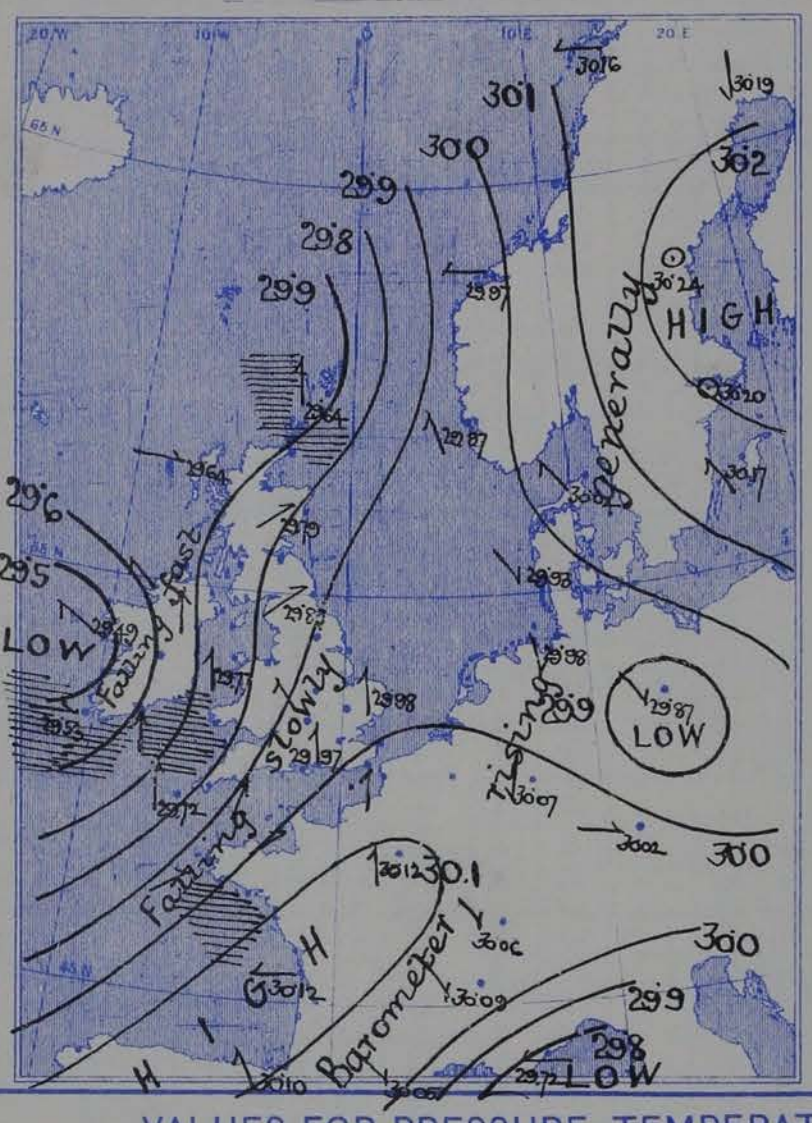
Bright Sunshine yesterday Southport 8.5 *hrs.*

WEATHER CHARTS

FOR Thursday, 29th September, 1898

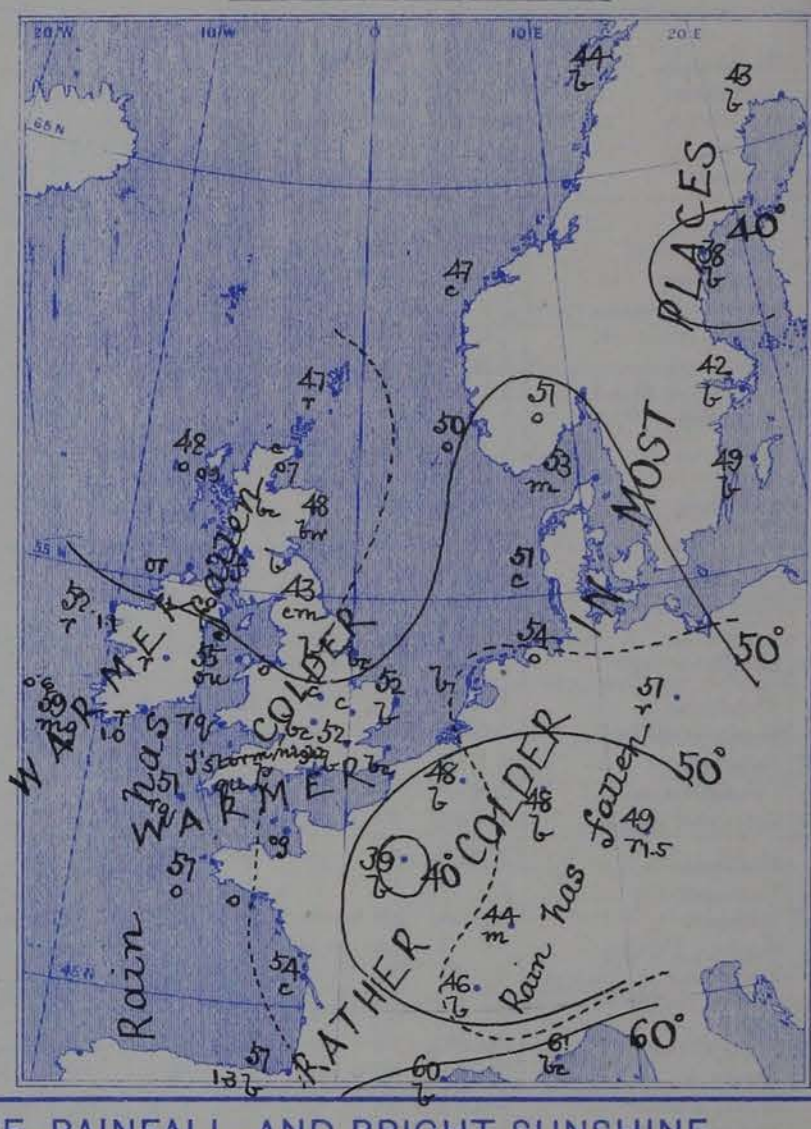
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards, in two anticyclones one lying over Portugal and the other over the Gulf of Bothnia.
Lowest, 29·5 in: and less, in a well-marked depression lying off the west of Ireland; 29·9 in: and less, in a shallow disturbance over Eastern Germany.
Gradient rather steep over our western coasts, but moderate or slight elsewhere.
Barometer falling briskly in the west of our Islands generally, but inclined to rise again at Valencia (Ireland); rising at our eastern and most of the Continental stations.

TEMPERATURE

Highest, (1) 63° at Lisbon & 61° at Nice; (2) 59° at Valencia (Ireland) and Rockabill, and 58° at Jersey and Hurst Castle.
Lowest, (1) 38° at Hernösand, and 42° at Stockholm and Karlstad; (2) 39° at Paris and 44° at Belfort; (3) 40° at York and Boughtonough, 42° at Cambridge.
Ground frost occurred last night in many parts of England; at Cambridge the thermometer seen in the screen fell to 33°.

WIND

S. over our Islands generally, with a moderate gale at Rockabill and Scilly, but W. again at Valencia (Ireland); SE. or E. in Norway and the south of Sweden.
Light from the NW. in Denmark, Germany, and the east and south of France.

WEATHER

Dull in the west and extreme north of our Islands, with rain in several places.
Fine in the eastern and central parts of the Kingdom, as well as at most of the Continental stations, but dull in Germany, with rain at Berlin and Munich.
Since yesterday morning rain has fallen in the west and north of our Islands generally and also in France and Germany, the largest amounts being 1·5 in: at Munich, 1·3 in: at Barnig, 1·1 in: at Belmullet, and 1·0 in: at Rockabill. Thunder and lightning occurred yesterday at Pauillac Point and Hurst Castle.

SEA

Rough at Scarborough Head, and rather rough on our southwest coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Ireland is likely to move northwards, and to occasion freshening S. winds and rainy weather in all our more northern districts. Over England showers are probable, but in the southeastern districts the rainfall is scarcely likely to be heavy.

FORECASTS

For the 24 hours ending at NOON on 30th SEPT: 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	S. winds, freshening; fair at first, some rain later.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S. and SW. winds, moderate; fine at first, cloudy later, with some showers.
6 SCOTLAND WEST 7 ENGLAND N.W.	S. winds, freshening considerably squally and rainy at first, then fair.
8 ENGLAND S.W.	S. and SW. winds, strong to moderate; squally showery.
9 IRELAND NORTH	Same as No. 6 and 7.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·89	55	50	ESE	4	c	2
Sumburgh Head	29·59	53	52	ESE	4	r	6
Stornoway	29·62	50	48	NW	5	0	5
Aberdeen	29·60	49	46	WNW	7	o q p q	5
Shields	29·77	56	50	WSW	4	cu	2
Ardrossan	29·78	55	53	W	5	bc q p	4
Malin Head ...	29·82	54	49	WNW	4	b	3
Belmullet	29·95	56	49	W	4	bc	*
Holyhead	29·94	56	51	WNW	4	bc	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·03	57	52	W	3	cv	5
Scilly	30·07	60	57	WSW	4	cp	2
Jersey	30·07	61	55	WNW	4	c	3
Hurst Castle ...	30·00	65	57	WSW	3	c	2
Dungeness ...	29·96	64	53	WSW	3	bc	2
North Foreland	29·98	61	54	NW	2	b	2
London (Westminster)	29·95	62	50	W	4	bc	*
Yarmouth ...	29·89	60	50	W	4	b	3
Rochefort ...	30·09	69	65	SW	4	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the greater part of Ireland, England and the north of France, but showery on our extreme southwest coasts; dull in Scotland, with rain in several places. Rain falling also over the Netherlands, and at several of the French stations, as well as at Trieste, Naples, and Ogliari. Fine in Scandinavia and also over the northern and eastern parts of Germany; dull over northern Russia, with rain at Kherson. Heavy rain falling later in the north of Scotland and showers in many other parts of Great Britain with thunderstorms at Prawle P. and Hurst Castle.

Temperature changed rather irregularly. Morning readings highest 75° at Pendeli, 74° at Malta, and 73° at Nemours; above 65° at several of the Mediterranean and Adriatic stations. Lowest 38° at Hango and Kiev, 39° at Karlstad and Warsaw, and 40° at Riga. Daily maxima below 60° on most parts of our own western and northern coasts, but thermometer exceeding 65° at some of the English Channel stations; touching 70° at Lisbon and 73° at Nice. Ground frost occurring over England at night.

Wind W³ or NW⁵ over the greater part of our Islands, and strong in force on our northwest coasts; NW³ or N³ in France and Spain. Light or moderate from the S^ly in the northeast of Scotland, and from the SE^ly or E^ly over Norway, Denmark and Germany. N³ over the Gulf of Bothnia, NW³ or W³ over Finland; variable over Austria and the south of Russia; S³ to W¹ in the southern parts of Italy. Wind moderating later on our own northwestern coasts, and backing to the SW^ly in the west of Ireland.

Barometer highest 30·2 ins: and upwards in two anticyclones,—one lying off the Portuguese coasts and the other over the south of Russia. Lowest 29·6 ins: and less, in a depression over the north and east of Scotland, and also in another disturbance over Finland; 29·8 ins: and less, in a large shallow area over Switzerland, northern Italy, and the neighbouring parts of the Mediterranean. Scotch depression subsequently moving northwards; new disturbance beginning to approach our western coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 30th September, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30.37	42	N	2	0	30.43	+.24	42	40	-1	2	0	0	*	0	*	48	36	-
	Hernösand ...	30.36	46	2	0	0	30.39	+.15	45	45	+7	SSW	2	0	*	0	*	50	32	-
	Stockholm ...	30.26	49	E	4	0	30.22	+.02	51	46	+9	E	6	0	*	0	*	55	36	-
	Wisby	30.17	50	SE	4	c	30.12	-.05	50	48	+1	SE	6	r	*	c	*	55	39	-
	Karlstad ...	30.19	49	NE	4	0	30.13	-.04	47	45	+5	NNE	6	0	*	0	*	*	*	-
	Bodö	30.19	49	E	2	b	30.23	+.07	48	44	+4	E	2	b	1	b	*	54	44	-
	Christiansund ...	30.08	51	ESE	1	c	30.12	+.15	51	47	+4	SSE	2	0	2	c	*	55	46	-
	Skudesnaes ...	30.03	54	2	0	c	30.06	+.09	52	51	+2	SE	2	0	3	c	*	57	50	*
	Færder (Christiania Fjord)	30.13	52	ENE	6	0	30.06	-.02	47	46	-4	NE	6	r	3	0	*	54	46	0.39
	Skagen (The Scaw)	30.11	50	NNE	2	r	29.93	-.11	49	49	-4	E	5	r	1	r	*	?	46	0.59
	Fanö	29.97	51	NW	1	c	29.97	+.04	49	48	-2	NNW	2	c	*	c	*	59	45	-
	Sumburgh Head	29.81	49	S	2	bc	29.95	+.31	53	52	+6	SE	2	0	4	b.bc	*	54	47	0.11
	Stornoway ...	29.74	50	NW	2	0	29.90	+.26	45	43	-3	NW	3	c	3	c.o	3.2	55	40	0.03
	Wick	29.79	52	S	4	0	29.91	+.21	55	53	+5	S	2	0	2	0	*	55	47	0.25
	Nairn	29.75	52	2	0	0	29.88	+.16	52	52	+4	2	0	d	0	0	*	56	45	0.53
	Aberdeen ...	29.79	52	SSE	4	o g q p	29.90	+.11	55	53	+7	SE	4	o g	4	c.qr	6.8	55	48	0.03
	Leith	29.70	51	E	2	r	29.78	-.02	54	53	+3	ENE	3	r	*	r	*	56	47	0.60
	Shields	29.72	55	ESE	4	d	29.80	-.07	55	53	+12	SSE	3	0	3	c m.d	*	56	42	0.07
	Spurn Head ...	29.76	58	SE	5	0	29.77	-.15	57	54	+7	SE	5	0	5	bc.qp	*	60	50	0.01
	York	29.72	57	E	2	r	?29.74	-.18	54	51	+14	E	1	0	*	c.r	2.1	60	39	0.88
	Loughborough ...	29.72	55	SSE	3	r	29.71	-.23	52	51	+12	ESE	2	0	*	c.or.o	*	61	40	0.46
BRITISH ISLANDS.	Ardrossan ...	29.59	51	NE	4	rf	29.81	+.06	53	53	+6	NNE	2	of	0	rf	*	53	46	0.73
	Malin Head ...	29.54	52	E	6	r	29.87	+.22	58	50	+6	N	5	bc	4	r	*	54	47	0.90
	Belmullet ...	29.69	54	N	7	c	30.02	+.53	55	52	+3	NNW	2	0	*	cp.c	*	57	50	0.05
	Donaghadee ...	29.42	55	ESE	7	r	29.80	+.08	53	50	0	N	8	bc	6	r	*	56	51	1.64
	Liverpool (Bidston)	29.55	53	SE	6	o	29.67	-.16	54	52	+7	ESE	2	o	?	o b r	*	57	42	0.50
	Holyhead ...	29.44	57	S	3	g m r	29.74	-.03	54	53	-1	NNW	8	rq	6	rq.qr	*	58	52	0.40
	Parsonstown ...	29.57	55	NW	3	c	29.98	+.46	51	48	-2	NW	1	c	*	o.cp	0.4	62	45	0.08
	Valencia ...	29.71	56	NNW	8	o q u	30.07	+.54	57	52	-2	NNW	4	o g	5	op.oq	1.3	61	53	-
	Roche's Point ...	29.53	58	NNW	8	c	30.02	+.48	53	50	-6	NNW	3	bc	3	c	*	65	50	-
	Pembroke (St. Ann's Hd.)	29.54	59	NNW	5	o	29.63	+.09	54	51	-1	N	6	oq	5	o.r	0.0	59	48	0.55
	Scilly	29.64	60	W	4	c	29.87	+.15	56	53	-1	NW	8	c	4	bc.c	3.6	64	52	0.09
	Prawle Point ...	29.64	58	SSW	5	o	29.74	-.16	52	51	-5	NW	5	c	4	qr.p	*	63	51	0.50
	Jersey (St. Aubin's)	29.79	59	SSE	6	r	29.64	-.35	58	55	0	NNW	7	o q m r	5	o.r	*	64	55	0.36
	Hurst Castle ...	29.73	58	S	6	r m	29.59	-.37	57	56	-1	N	8	o m	3	op.rm	*	63	54	1.13
	Dungeness ...	29.87	60	S	4	bc	29.66	-.36	54	53	+2	SSE	6	r	5	bc.r	*	62	50	0.15
	North Foreland	29.89	58	SE	4	c	?29.71	-.31	54	53	-1	E	7	o	4	c.r	*	62	51	0.10
	London (Brixton) ...	29.79	58	S	5	o	29.67	-.30	53	52	+1	E	2	o g	*	b.c.oqr	5.7	66	52	0.12
	Oxford	29.68	54	S	5	r	29.66	-.30	54	53	+8	ENE	2	o	*	bc.rq	*	64	46	0.30
	Cambridge ...	29.79	58	S	4	o	29.73	-.26	53	52	+11	ESE	3	ag	*	bc.oqr	6.3	66	44	-
	Yarmouth ...	29.87	57	S	6	bc	29.77	-.21	57	53	+5	SE	6	c	5	b.bc	*	60	50	-
GERMANY & HOLLAND.	Cuxhaven ...	29.99	55	NNW	1	b	29.96	-.02	45	44	-9	SSE	1	b	*	b	*	57	41	-
	Berlin														*		*			
	Wiesbaden ...	*	*	*	*	*	29.93	-.14	44	42	-4	N	1	b	*	*	*	61	39	-
	Munich	30.05	49	2	0	0	29.89	-.13	49	49	0	NE	3	r	*	0	*	50	48	0.16
	The Helder ...	29.95	55	SSE	1	b	29.87	-.09	55	51	+4	SE	1	bc	1	b	*	63	45	-
BELGIUM.	Brussels ...	*	*	*	*	*	29.83	-.25	48	45	0	SE	4	r	*	b	*	61	44	-
	Cape Gris Nez	?	56	S	3	c	?	?	52	48	-2	S	4	o	4	c	*	63	48	0.08
	Paris ...	29.97	54	SE	2	bc	29.72	-.40	47	46	+8	SE	3	r	*	bc	*	64	39	0.04
	Brest	29.73	62	SW	2	c	29.82	-.20	55	54	-2	NNW	5	c	4	c	*	62	52	0.35
	Lorient	29.76	55	SSW	5	r	29.82	-.22	57	55	-2	NNW	6	c	5	r	*	64	52	0.16
FRANCE &	Rochefort ...	29.92	63	SW	4	o	29.78	-.34	59	58	+5	NW	6	r	*	c.o	*	68	50	0.20
	Belfort ...	29.99	49	NE	2	m	29.86	-.20	44	43	0	E	1	m	*	m	*	61	41	-
	Lyons ...	29.99	54	N	1	b	29.89	-.20	44	41	-2	SE	1	b	*	b	*	61	41	-
	Nice	29.76	60	SW	1	c	29.78	+.06	57	57	-4	E	1	bc	2	c	*	72	57	0.04
	Perpignan ...	29.99	62	W	3	bc	29.91	-.14	53	49	-7	SW	2	o	*	bc	*	69	46	-
	Biarritz ...	30.00	61	NNW	3	o	29.92	-.18	64	61	+7	W	6	r	5	o	*	63	55	0.32
PENIN-SULA.	Corunna ...																*			
	Lisbon	30.23	64	NW	4	bc	30.17	-.08	66	62	+3	NNW	4	b	*	bc	*	72	63	-
	Azores (P. Delgada)	30.26	66	NNE	2	c	30.21	-.05	67	61	+1	NNE	1	c	2	c	*	75	63	-

For Explanation of Columns see bottom of last page. * † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

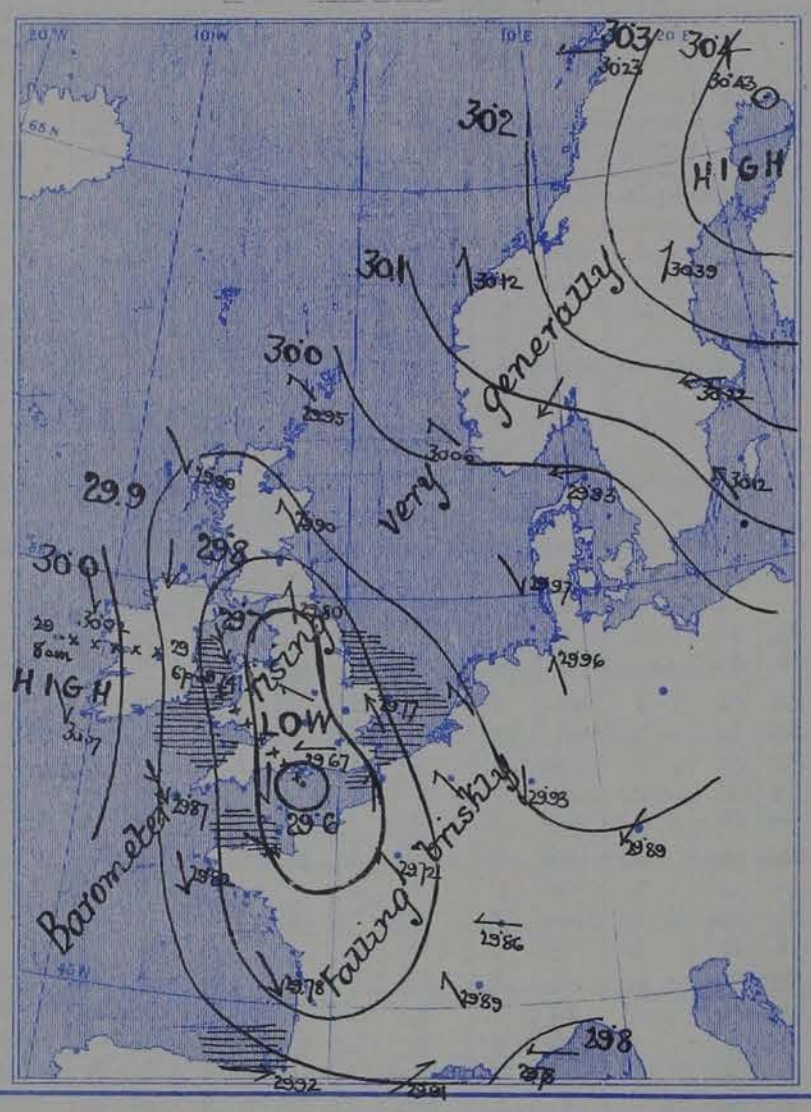
Bright Sunshine yesterday Southport. 0·0 hrs.

WEATHER CHARTS

FOR Friday, 30th September, 1898

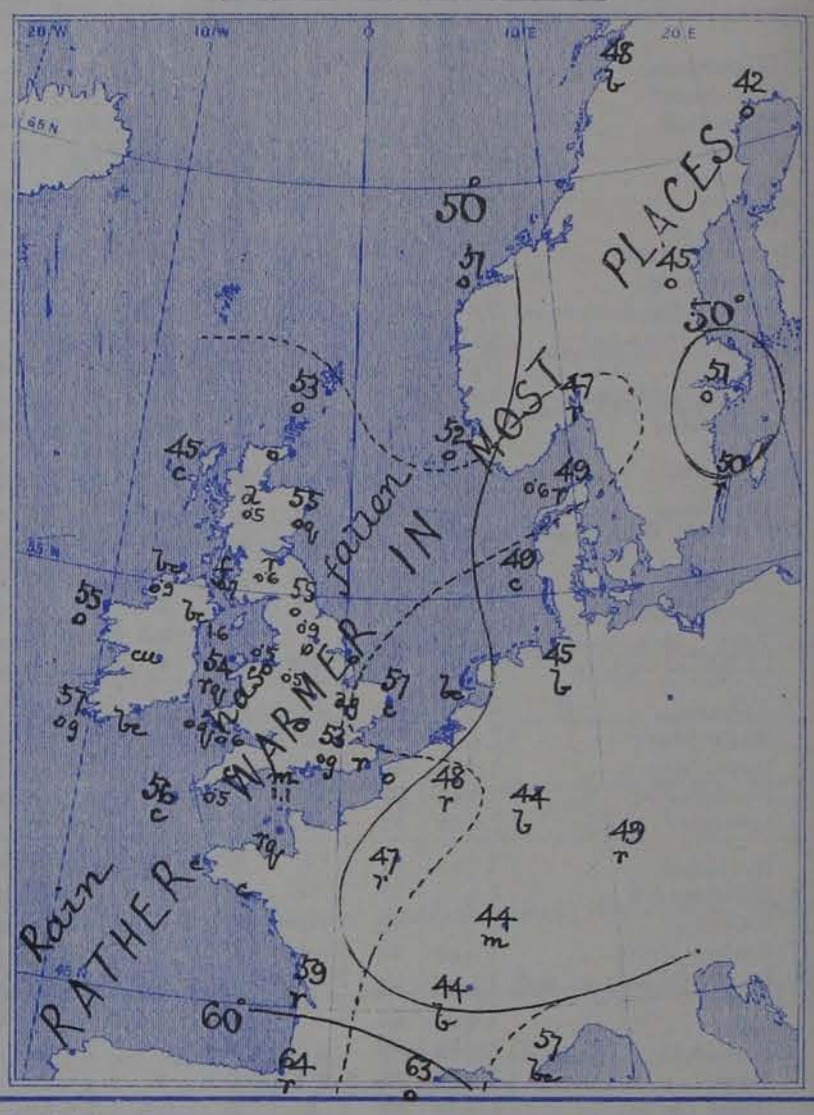
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The full in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF SEPTEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 · 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 · 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: and upwards, in an anticyclone over the Gulf of Bothnia; 30·0 in: and upwards over the west and south of Ireland.
Lowest, 29·6 in: and less, in a complex depression over England and the Channel, with its centre near the Isle of Wight; 29·9 in: and less (apparently) in a shallow system over the north of Denmark.
Gradients rather steep over our western coasts, but moderate or slight elsewhere.
Barometer rising in our Islands and also in the western and northern parts of Scandinavia, but falling elsewhere – briskly in France.

TEMPERATURE

Highest, 64° at Biarritz, 59° at Rochefort, 58° at Jersey, and 57° at Spurn Head, Yarmouth, Valencia (Ireland) Hurst Castle, Lorient, and Nice.
Lowest, (1) 42° at Haparanda, and 45° at Hernösand; (2) 44° at Wiesbaden, Belfast, and Lyons; (3) 45° at Stornoway.
The maxima registered yesterday were below 60° on most parts of our western and northern coasts. At Rockenham, however, the thermometer rose to 65° and in London and at Cambridge to 66°.

WIND

SE. over the east coasts of Great Britain and all neighbouring parts of the Continent, and strong in force at Yarmouth.
N. or NW. on the west coasts of our Islands and France, with a gale in the Irish Sea and at the mouth of the English Channel.
Strong from the E. or NE. in the south of Scandinavia.

WEATHER

Cloudy or dull over Western Europe as a whole, with rain in several places.
Fine at some of the Irish stations, as well as in North Germany and the southeast of France.
Since yesterday morning rain has fallen in all parts of Western Europe, the largest amounts being 1·6 in: at Donaghadee, and 0·9 in: at Yarl and Malin Head. Thunder was heard at Liverpool yesterday.

SEA

Rough or rather so on many parts of the English and Irish coasts, as well as at Lorient and Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday morning off the west of Ireland has travelled in an easterly and southeasterly direction across Ireland and England. High pressure systems appear to be spreading over our Islands from the westward and northward, but for a time the weather is likely to remain cloudy and showery in most districts.

FORECASTS

For the 24 hours ending at NOON on 1st OCTOBER. 1898

	DISTRICTS.	FORECASTS.
0	SCOTLAND NORTH	E. and SE. winds, moderate; cloudy, rain locally.
1	SCOTLAND EAST	
↑ 2	ENGLAND N.E.	SE. to E. winds, strong in places; cloudy, some rain.
↑ 3	ENGLAND EAST	
4	MIDLAND COUNTIES	E. and NE. winds, strong in places; cool, cloudy, showery.
↑ 5	ENGLAND SOUTH	
6	SCOTLAND WEST	NE. winds, light; cloudy, some mist or fog.
↑ 7	ENGLAND N.W.	N. gales, moderating later; squally and showery at first then fair.
↑ 8	ENGLAND S.W.	
↑ 9	IRELAND NORTH	N. winds, fresh; changeable, some showers.
10	IRELAND SOUTH	
	WARNINGS	At 4·0 pm yesterday to districts 3, 5, and 8, "Hoist South Cone", and at 7·10 pm to districts 0 to 2, 6, 7, + 9 "Hoist North Cone". At 10·30 am today to districts 0, 1, and 6 "Lower Cone".

Note.—The **South Cone**, *point downwards* (↑), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ..	30·02	57	53	SE	4	c	2
Sumburgh Head	29·76	53	50	S	4	b	6
Stornoway	29·70	55	49	W	3	c	3
Aberdeen	29·80	52	48	SSE	3	c	3
Shields	29·79	55	50	ESE	3	cm	2
Ardrossan	29·64	51	50	NE	4	bf	2
Malin Head ...	29·52	53	53	E	5	r	3
Belmullet	29·51	55	54	NNE	5	cp	*
Holyhead	29·56	54	53	SE	8	gqmr	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·54	60	58	W	5	bp	5
Scilly	29·64	62	60	WSW	5	bc	4
Jersey	29·90	61	56	SSE	5	o	4
Hurst Castle ...	29·84	61	58	S	5	cp	3
Dungeness ...	29·93	60	55	SSW	4	bc	3
North Foreland	29·95	58	56	SSE	3	c	2
London (Westminster)	29·87	63	54	SSW	2	bc	*
Yarmouth ...	29·91	60	53	S	5	b	4
Rochefort ...	30·06	66	63	ESE	3	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning dull in the west and extreme north of our Islands, with rain in several places. Fine in the eastern and central parts of the United Kingdom, and the western and northern parts of the Continent; dull in Germany, Austria, Italy, and the south of Russia, with rain in places; thunderstorm reported at Malta. Rain falling later in nearly all parts of Western Europe, heavily in the west and north of our Islands; thunder reported at Liverpool.

Temperature rises in the west and south of our Islands, and the eastern and central parts of the Continent, falls elsewhere. Morning readings highest 75° at Malta, 73° at Constantinople, and 71° at Brindisi, Oran, and Algiers; above 65° at most of the Mediterranean and Adriatic stations. Lowest (1) 37° at Riga and 38° at Hernösand, (2) 39° at Paris and Le Mans and 41° at Limoges; (3) 40° at Yeovil and Loughborough. Daily maxima below 60° on all our more northern coasts, but thermometers reaching 66° in London and at Cambridge; exceeding 65° also in the west and south of France, and reaching 72° at Nice and Lisbon.

Wind S. over our Islands generally, with a moderate gale at Valentia and Scilly, but W. at Valencia (Ireland); SE. or E. in Norway and the south of Sweden. Calm over Central Sweden, but NW. in Finland. E. over the Baltic, but NW. in Germany and W. in Austria; variable in Italy, NW. in the extreme south of France. Subsequently increasing to a moderate gale from the S. over the English Channel, and to a fresh gale from the N. on many parts of our western coasts.

Barometer highest 30·1 in. to 30·2 in. and upwards, in an anticyclone over Sweden and Finland, and also in another system stretching northeastwards from the Portuguese coasts to Central France. Lowest 29·5 in. and less, in a well marked depression off the west of Ireland; 29·8 in. and less, in a shallow area over northern Italy and the neighbouring parts of the Adriatic and Mediterranean; 29·9 in. and less, in a still shallower system over northern Russia. Irish depression subsequently advancing eastwards and southeastwards across Ireland and England, and barometer rising again on our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Valencia	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-
3	Ardrossan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-
"	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-
4	Sumburgh Hd	-	-	-	-	-	30·21	+16	-	-	-	-	-	-	-	-	-	-	-	-
8	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-
9	Belmullet 2pm	-	-	-	-	-	-	-	61	-	-	-	-	-	-	-	-	-	-	-
10	Leith	-	-	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	-	-
"	Pembroke	?29·96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Malin Head	-	-	-	-	-	29·73	-05	-	-	-	-	-	-	-	-	-	-	-	-
12	Valencia	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-
13	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7·2	-	-	-
"	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·16
14	Spurn Head	-	-	-	-	-	-	-	64	-	+8	-	-	-	-	-	-	-	-	-
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-
15	Roche's Point	30·28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	York	-	-	-	-	-	30·28	-07	-	-	-	-	-	-	-	-	-	-	-	-
"	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-	-
18	Belmullet 2pm	-	-	-	-	-	-	-	58	51	-	-	-	-	-	-	-	-	-	-
19	Nairn	29·78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Munich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-
"	Brussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·16
22	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-
27	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·51
28	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?52	-
30	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·70
"	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·49
"	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·51
"	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·16

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.			BAROMETER.		TEMPERATURE.			WIND.						TEMP.		
DATE.	STATIONS.	At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Brussels.....	-	-	-	-	-	30·36	+·41	55	-	-7	SW	1	b	-	o	-	65	43	-
6	Brussels.....	-	-	-	-	-	30·24	-13	56	-	-6	NE	1	f	-	b	-	77	53	-
"	Corunna.....	30·14	64	WNW	3	f	30·19	-	60	59	-	SW	1	f	2	f	-	66	55	-
7	Azores (P. Delgada)	30·13	71	NNE	1	b	30·13	+·09	70	64	0	NNE	1	b	2	b	-	75	64	-
8	Corunna.....	30·04	70	SW	3	f	30·06	-	66	64	-	NW	3	f	3	f	-	75	59	-
10	Lisbon.....	30·00	72	S	0	b	30·08	+·09	66	62	-6	SSW	2	0	-	b	-	?	?	-
11	The Helder....	30·06	62	WSW	1	bc	30·07	+·17	66	-	0	SW	1	b	1	bc	-	66	52	-
13	Corunna.....	30·23	67	NW	4	b	30·33	-	64	59	-	N	3	b	5	b	-	68	55	-
14	Brussels.....	-	-	-	-	-	30·27	+·11	57	-	+4	SW	3	o	-	c	-	67	48	-
16	Azores (P. Delgada)	29·93	72	SSW	4	c	29·88	-·08	72	69	+1	W	1	bc	3	c	-	77	70	0·12
17	The Helder.....	30·29	69	ESE	1	c	30·19	-·18	66	-	0	SSE	1	b	1	c	-	73	59	-
"	Brussels.....	-	-	-	-	-	30·14	-·20	67	-	0	SSE	3	b	-	b	-	83	59	-
20	Nice.....	30·05	67	SE	2	o	30·04	-·03	64	-	-3	E	3	c	1	o	-	81	50	-
"	Corunna.....	30·14	70	N	3	b	30·01	-	68	63	-	ESE	1	bc	2	b	-	72	57	-
23	Corunna....	29·85	73	N	3	b	29·89	-	69	63	-	NNW	1	b	2	b	-	75	61	-
"	Azores (P. Delgada)	29·86	67	SSW	3	bc	29·86	+·05	68	62	-1	NW	1	b	2	bc	-	75	64	-
26	Corunna.....	30·26	79	W	3	o	29·93	-	62	59	-	W	3	o	3	o	-	79	54	0·04
27	Lisbon.....	30·08	66	NNE	3	r	30·15	+·12	67	64	+1	WNW	3	o	-	r	-	70	63	-